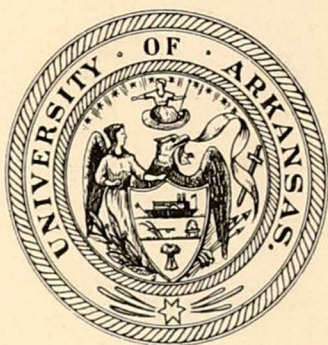


CATALOGUE
OF THE
UNIVERSITY OF ARKANSAS
TWENTY-SEVENTH EDITION



UNIVERSITY POSTOFFICE, FAYETTEVILLE, ARK.

1899-1900

CALENDAR, 1900-1901

FAYETTEVILLE

1900

SEPTEMBER 19, WEDNESDAY—First term begins.

SEPTEMBER 19-22—Entrance examinations.

NOVEMBER 29, THURSDAY—Thanksgiving, a holiday.

1901

JANUARY 25, FRIDAY—First term examinations begin.

FEBRUARY 2, SATURDAY—First term ends.

FEBRUARY 4, MONDAY—Second term begins.

MAY 17, THURSDAY—Decoration day, a holiday.

MAY 29, WEDNESDAY—Decoration day, a holiday.

JUNE 6, THURSDAY—Second term examinations begin.

JUNE 16, SUNDAY—Baccalaureate sermon.

JUNE 20, THURSDAY—Annual commencement.

MEDICAL DEPARTMENT, LITTLE ROCK

1900

OCTOBER 11, THURSDAY—Regular session begins.

1901

APRIL 11, THURSDAY—Session ends.

LAW DEPARTMENT, LITTLE ROCK

1900

OCTOBER 1, MONDAY—Fall term begins.

1901

JANUARY 28, Monday—Fall term ends.

JANUARY 29, TUESDAY—Spring term begins.

MAY 30, THURSDAY—Spring term ends.

BRANCH NORMAL COLLEGE, PINE BLUFF

1900

SEPTEMBER 4, TUESDAY—Session begins.

1901

MAY 31, FRIDAY—Session ends.

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DIRECTOR OF THE STATION.

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*JOHN CLINTON FUTRAL, M. A.,
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~~WALTER ALEXANDER MONTGOMERY, PH. D.,~~
Professor of Ancient Languages (ad interim).

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*Professor of Geology and Mineralogy and Curator of
the Museum.* \$2000.

†JOHN TURNER STINSON, B. S.,
Professor of Horticulture.

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Superintendent of Agriculture. \$750.

SIMON JAMES McLEAN, M. A., LL. B., PH. D.,
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JUNIUS JORDAN, A. M., LL. D.,
Professor of Philosophy and Pedagogics. \$2000.

~~ERNEST TAYLOR BYNUM, PH. D.,~~ *W. A. Read*
Professor of English and Modern Languages. \$2000

* Absent on leave.

† Resigned February 1, 1900.

NOTE.—Names, except that of the President, in the order of official seniority: (1) Professors, (2) Associate Professors, (3) other Instructors and Officers.

CHARLES EDWIN HOUGHTON, A. B., M. M. E.,
Professor of Mechanical Engineering and Superintendent of Mechanic Arts.

FRANK WELBORN PICKEL, A. B., M. Sc.,
Professor of Biology. \$1800.

ALVIN FAYETTE LEWIS, A. M., Ph. D.,
Professor of History. \$1500.

ERNEST WALKER, B. S. Agr.,
Professor of Horticulture. \$750.

~~WILLIAM BURDELLE BENTLEY~~, A. M., Ph. D., *Phy Walker*
Associate Professor of Chemistry and Physics. \$1500.

EDGAR FINLEY SHANNON, B. A.,
Associate Professor of Ancient Languages. \$1500.

BOLLING JAMES DUNN, A. M.,
Associate Professor of Mathematics. \$1500.

~~HADDIE BOOKER DAVIES~~, A. B., *Leahbert Scarlin*
Associate Professor of English and Modern Languages. \$1500

WILLIAM ALEXANDER READ, Ph. D., *Haddie Davis*
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Principal of the Preparatory Department. \$1500.

~~JOHN LYFORD HORNOR~~, *Geo R Spencer*
Professor of Military Science and Tactics, and Commandant. \$600.

INSTRUCTORS AND OFFICERS

~~MACK MARTIN~~, B. M. E., *J L Rose*
Assistant Superintendent of Mechanic Arts. \$900.

~~CLARA EARLE~~, B. A., *Allie B Simpson*
Instructor in English and Modern Languages. \$1000.

BURTON NEILL WILSON, B. Sc., M. E., *Ady 10mg 116*
Instructor in Woodworking and Foundry. \$1200.

E. L. BUSCH,
Musical Director. \$400.

W A Treadway
Instr in E. E. \$700
" " " " \$600

ELIZABETH BUSCH.

Piano. \$ 200

GERTRUDE CRAWFORD.

Instructor in Vocal Music. \$2.00

~~JENNY DELONY RICE.~~

Director of the Art Department.

GEORGE ALBERT COLE, A. M.,

Instructor in Mathematics and Science. \$1000.

EMMA WILMER COLE, M. L. L.,

Instructor in History and Mathematics. \$ 700.

MARY ANN DAVIS.

Instructor in English and History. \$700

LINA REED, A. B.,

Instructor in English and Latin. 9800.

CENER HOLCOMB, A. B.,

Instructor in Latin and Mathematics. 2 700

JENNIE WARD BOWMAN.

Instructor in Elocution and Physical Culture.

~~SUSIE H. SPENCER, L. I.~~

Instructor in History and Latin. 2 700.

ADA PACE,

Librarian. \$ 500.

JULIA WATKINS.

Superintendent of Dormitories. \$240.

AT LITTLE ROCK

MEDICAL DEPARTMENT

P. O. HOOPER, M. D.,

Emeritus Professor of the Practice of Medicine.

JAMES A. DIBREL, M. D.,

Professor of General, Descriptive and Surgical Anatomy, and President of the Faculty.

EDWIN BENTLEY, M. D.,

Professor of the Principles and Practice of Surgery.

- C. W. WATKINS, M. D.,
Professor of Practice of Medicine.
- JAMES H. LENOW, M. D.,
Professor of Diseases of the Genito-Urinary Organs.
- L. P. GIBSON, M. D.,
Demonstrator of Anatomy and Adjunct Professor of Anatomy.
- LOUIS R. STARK, M. D.,
Professor of Gynecology.
- E. R. DIBREL, M. D.,
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- W. H. MILLER, M. D.,
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Professor of Ophthalmology and Otology.
- T. N. ROBINSON, A. B., LL. B.,
Professor of Medical Chemistry and Toxicology.
- F. L. FRENCH, M. D.,
Professor of Materia Medica, Therapeutics, Hygiene and Botany.
- CARLE E. BENTLEY, M. D.,
Professor of Clinical Surgery and Dermatology.
- ANDERSON WATKINS, M. D.,
Assistant Demonstrator of Anatomy.
- WILLIAM A. SNODGRASS, M. D.,
Assistant to Chair of Anatomy.
- E. E. MOSS, A. M., LL. B.,
Professor of Legal Medicine.

JAS. H. LENOW, M. D.,
Secretary of the Faculty,
LITTLE ROCK, ARK.

LAW DEPARTMENT

JOHN FLETCHER, LL. M.,
Dean.

J. H. CARMICHAEL, LL. B.,
Vice-Dean.

[Complete list of Instructors and Lecturers on page 143.....]

AT PINE BLUFF

BRANCH NORMAL COLLEGE

NORMAL DEPARTMENT

J. C. CORBIN, A. M., PH. D.,
Principal. \$1800.

JAMES C. SMITH, A. B.,
First Assistant. \$1200.

THOMAS C. CHILDRESS, L. I.,
Second Assistant. \$1000.

ANNA C. FREEMAN, L. I.,
Third Assistant. \$750.

LOUISA M. CORBIN,
Fourth Assistant. \$600.

MECHANICAL DEPARTMENT

C. E. HOUGHTON, A. B., M. M. E.,
Superintendent. \$2000.

W. S. HARRIS,
Assistant Superintendent. \$1800.

E. K. BRALEY, B. M. E.,
Machine and Blacksmith Shops. \$1200

LORENZO ELLIS,
Engineer. \$480.

AT FAYETTEVILLE

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ROBERT LOVE BENNETT, B. S.,

Director. \$2000.

ROBERT R. DINWIDDIE, M. D.,

Pathologist and Bacteriologist. \$1500.

*JOHN TURNER STINSON, B. S.,

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CLIFFORD LEWIS NEWMAN, B. S.,

Professor of Agriculture. \$750.

W. G. VINCENHELLER,

Pomologist. \$2000.

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Horticulturist and Entomologist. \$750.

JOHN FRANKLIN MOORE, B. S.,

Assistant Chemist. \$1200.

GEORGE B. IRBY, B. A.,

Assistant Agriculturist at Newport. \$1200.

STANDING COMMITTEES OF THE FACULTY

The President of the University is ex-officio a member of all standing committees.

1 ON DISCIPLINE

PROFESSORS KNOCH, MENKE, FUTRALL.

2 DOUBTFUL CASES

PROFESSORS LEWIS, DUNN, CRAWFORD.

3 ON CLASSIFICATION AND PETITIONS

PROFESSORS PURDUE, SHANNON.

4 ON ACCREDITED SCHOOLS

PROFESSORS JORDAN, DROKE, MISS DAVIES.

5 ON LIBRARY

PROFESSORS HOUGHTON, PICKEL, READ.

6 ON ATHLETICS

PROFESSORS BYNUM, NEWMAN, WALKER.

7 ON DORMITORIES

PROFESSORS BENTLEY, NEWMAN, GLADSON.

8 ON CHAPEL

THE PRESIDENT AND COMMANDANT.

* Resigned February 1, 1900; succeeded by Prof. Ernest Walker, B. S. Agr.

The University and the State.

The University is at the head of the public educational system of the State of Arkansas. It seeks to foster the higher educational interests of the State, broadly and generously interpreted, and to make provision for the demands of advanced scholarship in as many lines as its means will permit. It is the aim of its Faculty and Board of Trustees, from year to year, to bring it into still closer articulation with the public schools of the State, and in connection with them to afford to all the youth of either sex ample facilities for liberal education in literature, science and the industrial arts, and for the professional studies.

Through the aid received from the United States and from the State of Arkansas, the University is enabled to offer to its students free tuition, except in the studies of Law, Medicine and Music, and to open wide her doors to all seekers of learning.

The institution was established by virtue of an act of Congress donating public lands for educational purposes, and in accordance with an act of the General Assembly of the State of Arkansas.

LOCATION.

The University, except its Medical and Law Schools and Branch Normal College, is located at Fayetteville, Washington County, Arkansas. Situated in the heart of the Ozark Mountains, it is more than 1,500 feet above the sea level. The location is thought to be unsurpassed in salubrity of climate, in beauty of surrounding scenery, in variety and perfection of agricultural and horticultural productions, and in the morality and intelligence of its people.

Students may reach Fayetteville from both the north and the south by the Texas branch of the St. Louis and San Francisco Railroad, which has three trains daily each way, and various connections with other roads both north and south.

BUILDINGS.

UNIVERSITY HALL.

This is a brick structure with cut stone trimmings and a stone foundation. It is four stories in height above the basement. It consists of a front building 214 feet in length, and two wings, each 124 feet in depth, the whole forming three sides of a quadrangle. This building contains a large number of class rooms, Chapel, Library and Reading Room, separate Study Halls for the boys and girls of the Preparatory Department, Armory, Magazine, Band Room, Laboratories for Engineering, Biology and Geology, Music

and Art Rooms, President's and Commandant's Offices, Natural History Museum, Examination Hall, Literary Society Halls, Toilet Rooms, etc., in all seventy rooms, together with broad corridors and stairways. The building is heated by steam, lighted by electricity, and supplied with water from the city waterworks.

SCIENCE HALL.

This building, designed especially for the departments of Chemistry and Physics, is a substantial two-story brick building, 50 by 90 feet. The basement is fitted up with suitable furnaces for assaying and metallurgical work. On the first floor are the lecture rooms of the two departments, the physical laboratory and storerooms, and also the private laboratory of the professor in charge. On the second floor are the chemical laboratories, including a laboratory for general chemistry, a laboratory for qualitative analysis, and a laboratory devoted to quantitative analysis; also a storeroom for chemical supplies, a weighing room, and a hallway. The building is supplied with gas, water, and steam heat, and with modern appliances for technical work. It will accommodate about 150 students.

BUCHANAN HALL.

This is a substantial and handsome brick building, three stories high, and containing over forty rooms. It is favorably located, with a view

to the health of the occupants, and convenience of access to University Hall. The rooms are large, well ventilated and lighted, and open into broad corridors extending lengthwise through the building. From a wide veranda in front, there are three entrances to the building. There are also two rear entrances, and on the third floor a suite of rooms fitted up for an Infirmary. Through the generosity of the ladies of Fayetteville, this suite of rooms has been thoroughly equipped. By the aid of the superintendent and the liberality of the students and citizens a handsome suite of parlors has been tastefully and elegantly furnished. In the rear of the Hall a brick building has been erected which furnishes bath and toilet rooms, supplied with cold and hot water.

AGRICULTURAL BUILDINGS.

The principal buildings of the Agricultural Experiment Station are of brick, one story in height. They contain several offices, the laboratories of the station, the Station Museum, and several commodious storerooms. Belonging to the Department of Agriculture are a large barn, stock shed, dairy house, and other necessary out-buildings. During the present year a handsome cottage residence has been erected for the manager of the University farm.

HORTICULTURAL BUILDING.

This structure is 60 by 23 feet, is heated by steam, and supplied with improved ventilating apparatus and other modern conveniences. Attached to this is a building 24 by 20 feet, which is designed to be used as a laboratory for plant study. The equipment thus provided furnishes much-needed facilities for study and research to all persons interested in plant life, and especially to students of horticulture.

The building is located north of University Hall, and, together with the improvement of the adjacent grounds, adds much to the sightliness of that part of the campus.

THE SHOPS.

The shop building is of brick with stone foundation and iron roof, and has a floor space of 8,000 square feet. It contains a wood room 80 by 40, a foundry 35 by 40, forge shops 32 by 40, a machine shop 40 by 48, and a boiler room 32 by 35. There is also a brick building 15 by 35, divided into two rooms, without communication, one of which is used for an office and the other for the storage of oil and paint; also a frame coal bin 12 by 30, covered with iron and accessible to teams from either side. These buildings are heated by steam and provided with water from the city waterworks and with fire hose. They will accommodate about 100 students in class work at one time.

THE LIBRARY.

The Library occupies the north wing of the main building, second floor. It now contains about 8,000 volumes, with numerous pamphlets, maps, charts, etc. Shelves are provided for 14,000 volumes, with room for expansion. There are also special libraries belonging to various departments, comprising near 1,800 volumes.

The privileges of the Library, under proper regulations, are free to all students, and special privileges within the alcoves are allowed to members of the Junior and Senior classes.

The Dewey decimal system of classification and the Cutter book-numbers are used, thereby simplifying the circulation of books and the general care of the Library.

The leading high class periodicals (including magazines, reviews and various technical monthlies) are regularly taken, and are bound as they accumulate. This vast fund of current literature is rendered more useful and accessible by "Poole's Complete Index" to periodic literature from 1802 to the present time. A number of daily and weekly papers also come to the Library.

Among the works of general reference in the Library are all the best encyclopedias and dictionaries.

The card catalogue in preparation will greatly facilitate reference and will also greatly

increase the usefulness and popularity of the Library.

THE ARMORY.

The Armory is a large, well lighted room, 60 by 80 feet, occupying the entire basement of the north wing of the main building. It is substantially fitted up with arm racks, compartments for equipments, and other conveniences. Two adjacent rooms are assigned to the Military Department, and are used as bandroom and storeroom.

The equipment of the department consists of 300 Springfield Cadet Rifles, of the same model as those used at the United States Military Academy at West Point, 300 sets of infantry equipments, twenty-seven cadet swords (West Point pattern), National colors, flags, signal equipment, ammunition, etc., and a superior set of band instruments.

The arms and equipments are furnished the University by the general government. The other equipments have been purchased by the University and belong to the Military Department. The equipment is sufficient for a battalion of 400 cadets.

THE MUSEUM.

A. H. PURDUE, CURATOR.

The Museum occupies the fourth floor of the south wing of the main building. Large additions have recently been made to its equipment

with a view to facilitate instruction in geology and biology and also to make it of increased interest to the visiting public. That portion of the collection suitable for display is arranged in glass cases, while the working collection is in drawers. Four new sloping-top cases with drawers beneath have recently been added, thus affording space for several thousand specimens.

Relief Maps.—For illustration in geology, and general interest to the public, there have been placed in the Museum the following relief maps: Geological relief maps of the State of Arkansas, Colorado Canon, Central Tennessee and the United States; a convex relief map of the United States on a section of a globe 16 feet in diameter; a relief map of Carmel Bay, California; Ice Spring Craters, Utah; Yosemite Valley, Palestine, Mount Vesuvius, the State of California, and San Francisco Peninsula. Other maps are in preparation at the University.

The Mineral Collection.—The mineral collection contains about 2,000 specimens, representing the different mineral groups. Many of these specimens are displayed in cases.

The Petrographic Collection.—The most valuable part of this collection consists of the series furnished by the United States Geological Survey, representing sedimentary, igneous and metamorphic rocks. Besides this, there is a val-

uable collection of building and other stones from different parts of the country.

The Paleontological Collection.—There is a large collection of fossils in the Museum, but as they have not yet been arranged and catalogued, the number of specimens cannot be even estimated.

The Major Earle Collection.—Major F. R. Earle has deposited in the Museum his private collection of minerals and fossils. This collection was formerly in Cane Hill College.

The Zoological and Botanical Collection.—This collection consists of 200 birds and mammals, representing 80 species; 200 reptiles and amphibians, representing 40 species; 1,500 fishes, representing 350 species; 1,000 insects and other invertebrates, representing 200 species; several skeletons.

Donations to the Museum will be gratefully acknowledged, and the donors may be sure that anything of value sent to it will be carefully preserved and duly credited to the donor. Collections in the hands of private parties are likely to be soon scattered and destroyed through lack of care or improper handling. The Museum is now prepared to receive collections on deposit, and to preserve and display them under the owner's name until called for.

While our Museum is most important on account of its educational value, it at the same

time serves an important purpose in representing the resources of this State.

THE LABORATORIES.

In the laboratories of the University opportunities are afforded for practical instruction in Chemistry, Mineralogy, Physics, Botany, Zoology, Entomology, Horticulture, and in Civil, Mechanical, and Electrical Engineering.

CHEMICAL LABORATORIES.

The laboratories for chemical work are four in number and are situated in Science Hall. The Laboratory of General Chemistry is furnished with desks capable of accommodating eighty students. Each desk has a cupboard and two drawers, and is provided with gas and water. The Qualitative Laboratory has desks for sixteen students. Each desk is provided with suitable conveniences for taking care of apparatus, and is supplied with all the common reagents. The room is provided with a hood and other equipments usually found in qualitative laboratories. The Quantitative Laboratory has suitable accommodation for eight students, and beside the usual equipments, a Blake ore crusher and an assay furnace. Adjoining the Quantitative Laboratory is the weighing room, which contains two of Becker's best analytical balances, besides a number of less accurate instruments suitable for weighing large quantities of chemicals. The

storeroom contains all the apparatus and chemicals. The room is in charge of an assistant, who gives out the supplies and keeps the books. This room contains the apparatus for preparing distilled water, and has also some space for laboratory work.

The Physical Laboratory is a room 20 by 70 feet and is provided with large tables suitable for use in performing experiments in General Physics and physical measurements. It has also eight pillars built up from the ground, and independent of the rest of the building, for the accommodation of delicate instruments which would otherwise be disturbed by the vibrations of the floor. The storeroom of physical apparatus is supplied with instruments suitable for illustrating the principles of Physics and for the use of students in practical work.

BIOLOGICAL LABORATORY.

The Biological Laboratory is located on the third floor of the University building, and has accommodation for about forty students. The Laboratory is furnished with work tables, a sink, and the necessary gas fixtures for incubators, sterilizers, etc., also an aquarium for keeping aquatic animals and plants on hand for observation and study. The equipment in apparatus consists of Bausch and Lomb compound microscopes, dissecting microscopes, microtomes, and such other apparatus and chemicals as are

needed for practical work in biology. There is a collection of insects and also apparatus for collecting, drying, preserving and mounting insects. The Laboratory has a number of skeletons of different animals, and models and charts for teaching plant and animal anatomy.

GEOLOGICAL LABORATORY.

The Geological Laboratory is provided with aneroid barometers, compasses, hand-levels, pedometers, etc., for field work, two petrographic microscopes, and an excellent equipment of drawing apparatus for the construction of geological sections and topographic maps; also, with apparatus for the construction of relief maps.

There is a well-equipped laboratory for Determinative Mineralogy, and a room for the preparation of relief maps and other work connected with the department of geology.

MECHANICAL ENGINEERING LABORATORY.

The three boilers used to heat the buildings and run the shops furnish ample facilities for testing the evaporative power of boilers, and the fuel consumption per pound of water evaporated. Comparative tests of feed-pumps and injectors are made. There is a complete set of calorimeters, thermometers, engine counters, engine indicators, measuring tanks, injectors, feed-water heaters, and all necessary apparatus for making

engine and boiler tests. A Westinghouse, a Reynolds-Corliss, an ordinary slide-valve, a horizontal and a vertical engine furnish all necessary apparatus for practice in valve setting and examples of steam engines.

An 8 by 10 automatic slide-valve engine, now under construction in the shops, will soon be added to the equipment of the department.

A 60,000-pound Riehle testing machine is used to give the student practice in testing the strength of materials of construction.

ELECTRICAL LABORATORY.

The Electrical Laboratory affords excellent facilities for experimental work with practical dynamo-electric machines. In the laboratory will be found the leading types of machines for arc and incandescent lighting, and for power; constant current and constant potential motors and generators, representative of the different methods of power transmission; a Kelvin balance, standard cells, and a potentiometer for standardizing measuring instruments; Weston and other voltmeters and ammeters; electro-dynamometers; galvanometers of the tangent, reflecting, and Deprez d'Arsonval types; magnetometers; standard resistance coils and bridges, and absorption dynamometers.

During the past year there have been added two Kelvin voltmeters, a D. C. A. C. polyphase

motor-generator, a standard photometer, and a large number of smaller pieces of apparatus.

This equipment, to which valuable additions are made from time to time, enables the student to carry on experimental work of a very wide range, and to attain proficiency in operating and testing electrical machinery and instruments.

Students are also allowed to inspect the plant of the Fayetteville Electric Light and Power Company, and to take measurements and make tests on it. The Electrical Laboratory is connected with their primary mains, and is thus supplied with alternate currents at 2,000 volts potential for experimental work.

CIVIL ENGINEERING LABORATORY AND EQUIPMENT.

The Civil Engineering Laboratory is provided with all necessary instruments for work in land, railroad and city surveying. The equipment of field instruments has been selected so as to afford students the opportunity of becoming familiar with the instruments of different manufacturers. Among the usual field instruments there are a number of engineer's transits, theodolite, Y levels, transit with solar attachment, compasses, hand levels, standard and ordinary steel tapes, aneroid barometers, plane table, sextant, etc.

During the past year the laboratory has been entirely remodeled, now occupying two large, well lighted rooms in the basement of the

main building. An equipment for work in practical astronomy has also been added, consisting of a large Altazimuth, reading to seconds by levels and micrometers; a sidereal clock with break circuit attachment and a chronograph reading to tenths of seconds.

CEMENT LABORATORY.

The equipment for the purpose of testing the strength of mortars and cement, includes one 2,000-pound tensile testing machine, standard consistency apparatus, Vicats's and Gilmore's needles for determining set, metal molds for tension, compression and transverse test-pieces, steaming apparatus for blowing tests, and sieves for fineness.

SHOP EQUIPMENT.

The machine shop contains a Westinghouse engine, which runs the machinery in the whole building, a large iron planer, a shaper, four lathes of different sizes and makes, drill press, two grinding machines, milling machine, 60,000-pound testing machine, and a good supply of hand tools, benches, and materials.

The forge shop contains twelve Buffalo forges with down draft which takes the smoke away through underground pipes, thus avoiding the smoke and dirt of the ordinary blacksmith shop. It also contains a shearing and a punching machine, twelve anvils of different weights,

and all the necessary blacksmith tools for the twelve forges.

The wood shop contains one buzz planer, one large cylinder planer, circular saw, band saw, double spindle shaper, mortising and boring machine, five smaller lathes, one 18-inch pattern maker's lathe, and eighteen benches, each equipped with a complete set of carpenter's tools.

The foundry contains one Colliau cupola with a capacity of one and one-half tons of iron per hour, one brass furnace of 150 pounds capacity, a Buffalo pressure blower, and a core oven.

The foundry is well equipped with moulder's tools, flasks, etc.

The boiler room contains two 75-horsepower boilers, one 40-horsepower boiler, feed pump, injectors, feed-water heater, measuring tanks, etc.

The various departments of the shop building afford facilities for giving practical instruction to sixty or seventy students at one time.

Among the facilities for instruction in engineering contained in the equipment of the University in addition to the shop equipment may be mentioned:

A Dean steam pump with air chamber, water and steam cylinders, and valve chambers sectioned, so that a student may see the working parts.

A Cameron steam pump with the steam cylinder sectioned, showing the valve motion.

A Knowles pump in full working order.

A Blake steam pump in section.

Sections of injectors.

A model of a Stevenson's link motion.

A collection of samples of manufactured articles, such as steam pipe coverings, leather belt-ings, lubricating oils, etc.

DRAWING ROOM.

The equipment includes the usual tables and stools; and among the special apparatus and instruments may be mentioned the planimeter, odontograph, slide rule, set of railroad curves, etc. A blue-print room has recently been fitted up with complete facilities for the details of the blue-print process. The room is also provided with photographic facilities which will be used to prepare lantern slides and prints illustrating various branches of engineering.

ART ROOM.

A commodious art room has been provided, and furnished with such appliances as are needed for efficient work in that department.

PHYSICAL CULTURE ROOM.

At the opening of the present year a large room on the north wing of the main building was set apart for the use of the Department of Physical Culture. This room has been furnished as far as means were available with the equipment necessary for systematic physical training.

Conditions of Admission.

Candidates for admission are urged to be present at the beginning of the session. Admission at a later date is not refused, but is attended with greater or less inconvenience.

Students on their arrival in Fayetteville should report promptly to the President. Needless delay in reporting or unseemly conduct may justify exclusion from the University.

Applicants should present certificates of honorable discharge from the school last attended, or furnish other testimonials of good moral character.

Examinations for admission to the Freshman class will be held in the following subjects:

1. *English.* The admission requirements in English are those of the American Association of Colleges, and most of the leading institutions in the United States. The examination is divided into two parts.

(a) *Reading and Practice.* A few books are assigned for reading. The candidate is required to present evidence of a general knowledge of the subject-matter of these books, and to answer simple questions on the lives of their authors. The

form of the examination will usually be the writing of a paragraph or two on each of the several topics set in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and calls for only a general knowledge of the substance of the books. In place of a part or the whole of this test, the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading of these books.

The books set for this part of the examination are:

1900-1901—Goldsmith's *Vicar of Wakefield*; Cooper's *Last of the Mohicans*; Lowell's *Vision of Sir Launfal*; Dryden's *Palamon and Arcite*; Pope's *Iliad*, Books I, VI, XXII and XXIV; the *Sir Roger de Coverly Papers* in the *Spectator*; Scott's *Ivanhoe*; DeQuincey's *Flight of a Tartar Tribe*; Tennyson's *Princess*.

(b) *Study and Practice*. Other books are assigned for more careful study. The examination upon these books covers subject-matter, form, and structure, and also tests the candidate's ability to express his knowledge with clearness and accuracy.

The books set for this part of the examination are:

1900-1901—Burke's Speech on Conciliation with America; Macaulay's Essays on Milton and Addison; Shakespeare's Macbeth*; Milton's Paradise Lost, Books I and II.

In order to pass this examination, a student must have a good practical knowledge of English Grammar (as much as is contained in Maxwell's English Grammar), and of an elementary Rhetoric such as Raub's, Waddy's or Williams's; and no candidate will be accepted whose work is notably defective in point of spelling, punctuation, idiom, or division into paragraphs.

2. *Arithmetic.* The examination will include the whole of some standard arithmetic.

3. *Algebra.* To Simultaneous Quadratic Equations, with special attention to factoring, the theory of exponents, and radicals. The examination will be taken from Wentworth's Higher Algebra.

4. *Plane Geometry.* All of Plane Geometry will be required for admission to the Freshman class.

5. *History.* The examination will be taken from Shinn's History of the United States and Barnes's General History.

6. *Geography.* Any complete manual, such as Maury's or Frye's, will give the preparation, if thoroughly mastered. Special attention is

* Julius Cæsar will be accepted.

given to the geography of the United States and of Arkansas.

7. *Physiology.* Martin's * Human Body, briefer course.

8. *Latin.* Collar and Daniell's Beginner's Latin Book; the first twenty-five lessons in Bennett's Latin Composition; Cæsar's Gallic War, four books, with questions on grammar and on the subject-matter, military equipment, etc. Lowe and Ewing's Cæsar is recommended. Latin is required for admission in Bachelor of Arts, Bachelor of Philosophy, and Normal courses; not in the other courses.

Students are advised to come prepared for all the studies in some one class, otherwise their course is necessarily more or less irregular.

ORDER OF EXAMINATIONS FOR ADMISSION.

Wednesday, September 19.—9 a. m., registration of students; 1 to 3 p. m., Geometry; 3 to 4 p. m., Physiology.

Thursday, September 20.—1 to 3 p. m., Arithmetic; 3 to 4 p. m., Geography.

Friday, September 21.—9 to 12 m., Algebra; 1 to 4 p. m., Latin.

Saturday, September 22.—9 to 11 a. m., English Grammar and Analysis; 11 to 12 m., English Composition, Reading; 1 to 2:30 p. m., U. S. History; 2:30 to 4 p. m., General History.

EXAMINATIONS AT OTHER PLACES THAN
FAYETTEVILLE.

Students living at a distance from the University may obtain special local examinations if applied for in due time before the beginning of each session. The questions will be sent on application to the principal of any school or to any county examiner. The questions must be submitted by the principal or county examiner to the candidate under the usual restrictions of a written examination, and the questions and answers must be returned by the same officer to the University with his indorsement that the examination was properly conducted.

ADMISSION ON CERTIFICATES.

The graduates of accredited schools are admitted to the Freshman class in the University without examination, provided in all cases, certificates from the principal of the school attended be presented, containing specific statements of the kind and extent of work done in the studies in which credits are desired. Blank forms for such certificates will be furnished by the University. Students from schools regularly accredited to other universities will be admitted to the Freshman class without examination, provided they present evidence that such schools are duly accredited and that they have completed the work required for admission to the Freshman

class of this University in the courses which they desire to take.

A student who presents a certificate of scholarship from a high school, academy, or college not on the list of accredited schools, is required to take such examinations as may be prescribed. The result of such examinations, together with the certificates, will be passed on and proper credit allowed by the professors of the departments which such student proposes to enter.

ADMISSION TO ADVANCED STANDING.

Candidates for admission to classes in advance of the Freshman will be required to pass satisfactory examinations in the subject previously pursued by the class which they propose to enter. But such candidates coming from colleges or universities of good standing may on the presentation of proper certificates as to the studies pursued be admitted provisionally to such standing and upon such terms as the Faculty may deem equitable in each case.

ACCREDITED SCHOOLS.

On application from the principal of any high school, academy, or other institution, an officer of the University will visit and examine the organization and work of such school. The points to be observed are the subjects included in the course of study, the extent of instruction in each subject, the text-books used, the length of

the session, length of the recitation hours, methods of teaching, facilities for instruction, and the discipline. Upon a favorable report, submitted in writing by the visiting officer, the school is declared by vote of the Faculty duly accredited to the Freshmen class of the University.

Any changes that may occur, especially in the principalship of the school, or in its course of study, should be reported to the President of the University, as the list of accredited schools is subject to yearly revision.

The University earnestly desires to cultivate friendly and harmonious relations with all other educational enterprises of the State, and to add to its list all schools that are doing the required work and that desire to assume the accredited relation.

LIST OF ACCREDITED SCHOOLS.

- Fort Smith High School, Principal, B. W. Torreyson.
- Little Rock High School, Principal, R. C. Hall.
- Marianna Institute, Principal, T. A. Futrall.
- Lonoke High School, Principal, W. N. Hamlin.
- Pine Bluff High School, Principal, J. H. Wither-
spoon.
- Paris High School, Paris, Tex., Principal, J. G.
Wooten.
- Hinemon University School, Monticello, Ark., Prin-
cipal, J. E. Erwin.
- Garnett High School, Garnett, Kan., Principal, F.
McClellan.
- Helena High School, Principal, W. W. Rivers.
- Hot Springs High School, Principal, George B.
Cook.

Amity High School, Principal, S. M. Samson.

Neosho Public School, Principal, J. M. Stephenson.

Paris Academy, Paris, Ark., Principals, G. S. Minnier and John D. Arbuckle.

Dardanelle High School, Principal, J. C. Bunch.

Harper's Select School, Helena, Ark., Principal, H. H. Harper.

Eureka Springs High School, Principal, C. S. Barnett, Eureka Springs, Ark.

Southwestern Academy, Magnolia, Ark., Principal, J. W. Cantwell.

Texarkana High School, Principal, Allen Winham.

Hope High School, Principal, R. A. Hearon.

Thompson's Classical Institute, Paragould, Ark., Principals, R. S. Thompson and G. R. Hopkins.

Jonesboro Training School, Principal, F. R. Alexander.

Fordyce Training School, Principal, J. D. Clary, Fordyce, Ark.

Camden High School, A. D. Carden, Principal, Camden, Ark.

Spears-Langford Military Academy, G. S. Storey and R. B. Willis, Principals, Searcy, Ark.

Van Buren High School, A. L. Peacher, Principal, Van Buren, Ark.

Mammoth Springs High School, Principal, J. H. Caldwell.

Green Forest Academy, Principal, H. P. Burney.

Arkansas Cumberland College, Principal, J. T. Perigo.

Selection of Courses of Study.

Students are allowed all reasonable freedom in choosing their courses of study. But they are required to pursue their studies in the order prescribed, and, when candidates for a degree, to complete, as a condition of graduation, all the subjects in the course leading to such degree. Changes in the courses of study selected are discouraged, but for sufficient reasons are allowed if made within three weeks after admission; subsequently no such change can be made during the session except by the express permission of the Faculty.

NUMBER OF RECITATIONS.

Not less than twelve nor more than eighteen recitations or their equivalent per week, exclusive of military science and tactics, are allowed, except by permission of the Faculty. Two hours of laboratory, shop or farm work, drawing or sight-reading, are counted equivalent to one recitation. If less than twelve recitations or their equivalent per week are specified in any course, studies must be elected to make up the deficiency.

CLASSIFICATION OF STUDENTS.

The satisfactory completion of the work of a class as attested by daily recitations and exam-

inations is the condition of enrollment in a higher class. Some margin, however, is allowed for making up studies in arrears. But more than six hours per week required for such studies or more than six hours per week omitted from the studies of a given class prevents enrollment therein, except that in the engineering courses the number in both cases may be as many as eight. No student can be classified a Freshman in any course who has more than six hours per week of unfinished preparatory work.

SPECIAL STUDENTS.

1. Students are advised to pursue in all cases in which it is practicable some one of the regular courses leading to a degree. The number of these courses with the liberal provision for electives allows sufficient play for individual preference in the selection of subjects required for a liberal and well rounded education.

2. But students who are not candidates for a degree, but who have completed all the studies below the Freshman class, may elect a special course of study under the supervision of the Classification Committee and with the approval of the professors in charge of the subjects chosen.

3. Persons of mature age (not less than 21 years of age) may elect a special course of study under the direction of the Faculty, provided they show by examination or otherwise that they are

qualified to pursue profitably the studies which they propose to take up.

4. Students in special courses are subject to the same regulations and to the same examinations in the studies pursued as all other undergraduate students.

EXAMINATIONS.

1. Examinations, chiefly in writing, are held near the end of each term. The grades are determined by combining the values of the daily recitations and of the examinations, and are divided into five groups, as follows: "Excellent" (E); "Good" (G); "Fair" (F); "Poor" (P); "Bad" (B). A grade not lower than "Fair" is required for a "pass," which is the equivalent of about 75 per cent. At the end of each term a report is made to the parent or guardian of each student showing his progress, general conduct, etc.

2. If a student has failed in any study, he may nevertheless be allowed to take up the next study in advance, provided he be deemed, by the professor in charge of the department to which such study belongs, not incompetent to pursue it; but he will be required to pass a satisfactory examination in the study in which he failed, or take it up with the next class.

3. If a student has proved competent to continue his advanced work, but has not completed all the preceding studies in his course, he must

resume the latter, and if he be found to be over-worked, he will be required to drop a part of his advanced work.

APPOINTMENT OF BENEFICIARIES.

An act of the General Assembly of the State of Arkansas "To Regulate the Appointment of Beneficiary Students in the University of Arkansas, and to Amend Section 4088 of the University and to Amend Section 4088 of the Digest of the Statutes of 1894," approved April 19, 1895, reads as follows:

"Section 4088. It shall be the duty of the Board of Trustees to apportion the number of beneficiaries who shall be admitted as students in the University, without tuition, among the several counties of the State, according to population, and to notify the county judge of each county of the number apportioned to the county at least two months prior to the beginning of each regular annual session of the school; and it shall be the duty of the county judge to appoint from the actual residents of the county the number of beneficiaries to which it may be entitled, a preference being given to those noted for diligence and proficiency in study; and the appointment so made shall be entered of record. If the judge of any county shall fail to appoint its quota of beneficiaries, or if those appointed shall fail to attend, the President of the University shall appoint such beneficiaries to the full num-

ber authorized by law from other counties having their full quota; *Provided*, such appointments shall be vacated on application of the county judge of a county so failing to fill its quota."

NUMBER OF BENEFICIARIES.

The number of beneficiaries fixed by the Board of Trustees is 1,000, distributed to the counties of the State in proportion to the population.

There is also one "Honorary Scholarship" to each county, to be awarded for superior merit and proficiency, from the public schools of each county, according to section 2, of act of July 23, 1868.

All the beneficiary students should be present if practicable at the opening of the first term.

Appointments of beneficiaries are made for a period of four years; but failure to enter the University within a reasonable time, or absence from the University for a year or more forfeits the appointment. Withdrawal at any time during the session may be construed to forfeit an appointment. A student may be reappointed after an appointment has expired or been forfeited.

QUALIFICATIONS.

County judges, in appointing beneficiaries, are requested to note that applicants will be required to pass satisfactory examinations in the

following subjects as a condition of admission to the lowest preparatory class :

1. The Grammar School Arithmetic.
2. Maxwell's Elementary Grammar and Composition.
3. The whole of some Complete Manual of Geography.
4. Proficiency in spelling, reading and writing.

It is *highly important* in making appointments to *note carefully these requirements; otherwise students coming to the University unprepared incur needless expense and go away disappointed and often discouraged.*

FORMS OF APPOINTMENT.

Students who have been appointed beneficiaries must bring evidence of appointment in the following form, to be sent by the judge of the county court, in accordance with the sixth section of an act approved March 6, 1875.

[FORM 1—APPOINTMENT.]

No.... [To be given to the student.]

To Whom It May Concern:

I hereby appoint..... of County, State of Arkansas, as a beneficiary to the University of Arkansas.

Given under my hand this....day of.....190....

Send a notice like the following to the President of the University, and one to the Secretary of the Board of Trustees, at Fayetteville:

[FORM 2—NOTICE TO PRESIDENT OF UNIVERSITY.]

.....Arkansas,

.....

To theUniversity:

I hereby notify you that I have this day appointed
..... of County, State of Arkansas, a beneficiary of the University of Arkansas.

Given under my hand this....day of.....190...

Counties		Counties	
Arkansas	10	Lee	16
Ashley	13	Lincoln	12
Baxter	7	Little River	6
Benton	24	Logan	19
Boone	15	Lonoke	15
Bradley	8	Madison	15
Calhoun	7	Marion	10
Carroll	16	Miller	12
Chicot	12	Mississippi	9
Clay	13	Monroe	12
Clark	15	Montgomery	7
Cleburne	8	Nevada	17
Cleveland	10	Newton	6
Columbia	19	Ouachita	15
Conway	16	Perry	6
Craighead	8	Phillips	28
Crawford	11	Pike	3
Crittenden	11	Poinsett	7
Cross	6	Polk	3
Dallas	9	Pope	19
Desha	11	Prairie	10
Drew	15	Pulaski	45
Faulkner	17	Randolph	12
Franklin	18	Saline	11
Fulton	8	Scott	19
Garland	11	Searcy	7
Grant	8	Sebastian	28
Greene	9	Sevier	8
Hempstead	24	Sharp	12
Hot Spring	10	Stone	8
Howard	12	St. Francis	10
Independence	21	Union	16
Izard	14	Van Buren	11
Jackson	15	Washington	30
Jefferson	29	White	21
Johnson	15	Woodruff	12
Lafayette	6	Yell	18
Lawrence	10		

FEES AND EXPENSES.

Beneficiary students pay no tuition except in Music. (For terms in Art and Music, see Departments of Art and Music.)

Admission fee, per session, charged all beneficiary students	\$5.00
Tuition per year to non-beneficiary students	\$30.00
Furniture for dormitory students, from..	\$6.00 to \$15.00
Board in dormitory at cost, per month, from..	\$8.00 to \$9.50
Board in private families, per month, from..	\$10.00 to \$15.00
Uniform, including cap, purchased by male students, from	\$13.00 to \$15.00
Washing, per month, from	\$1.00 to \$1.50

The necessary expenses of a student who wishes to live cheaply are:

Board in dormitory, 9 months, about	\$80.00
Washing, 9 months, about	\$9.00
Furniture, first year only.....	\$6.00 to \$15.00
Admission fee	\$5.00
Total expenses first year, including uniform, but not other clothes or books, about	\$109.00
Total expenses, after first year, about	\$94.00

Admission fees are payable in advance; tuition fees payable one-half at the beginning of each term. Board bills are payable monthly in advance.

A diploma fee of \$5.00 is charged all graduates. All dues are to be paid or satisfactorily adjusted before diplomas are conferred.

BOARD FOR YOUNG MEN.

Rooms in the University dormitories are free, but occupants provide their furniture, fuel,

and lights. Students leaving the University frequently sell their furniture at a small reduction. If there are not rooms enough for all, preference is given to Arkansas students. An officer of the University is in charge of the building, and the rooms are inspected by the Faculty whenever deemed necessary.

Students boarding elsewhere are under the supervision of the President of the University, and are allowed to board only at places approved by him. No student is allowed to change his boarding place without the consent of the President.

BOARD FOR YOUNG LADIES.

Sufficient funds have not yet been secured to provide a dormitory for young ladies, but all necessary assistance is rendered them in finding homes in private families in the town. Parents, therefore, who send a daughter to the University, should place her under the control of the family with whom she boards, subject to the general supervision of the President of the University.

ABSENCES AND WITHDRAWALS.

Absences from the University during the session are not permitted except for valid reasons. The right of a parent to withdraw his son at any time, without reason assigned, is recognized, but without so withdrawing him, he cannot relieve him of the obligation to attend to his duties at the University. The incidental ab-

sences of students during the session are exceedingly disadvantageous, both to themselves and to the University. While, therefore, the Faculty permit them, in cases where propriety or urgent necessity seems to make them unavoidable, they hold it to be a duty to inquire into the reasons for which the permission is solicited.

Parents or guardians who wish to withdraw their children or wards from the University should write to the President stating their wishes. No honorable discharge will be given to a student under age who is unable to produce the written application of his parent or guardian for his withdrawal, nor will an honorable discharge be given to a student under censure of any kind, whether for neglect of duty or other cause, even though he may have the consent of his parent or guardian for his withdrawal from the University.

SALE OF ARDENT SPIRITS PROHIBITED.

By an act of the General Assembly of the State of Arkansas, approved March 6, 1875, it is unlawful for any person to sell or give away any vinous or ardent spirits within three miles of the Arkansas Industrial University, unless it be prescribed by a regular practicing physician for medicinal purposes.

University Organizations.

LITERARY SOCIETIES.

Material changes have recently been made in the organization of the literary societies, and their meetings, which are held weekly, afford enlarged opportunities for improvement in declamation, composition, debate, etc. Renewed interest in this valuable means of culture is shown by a number of students.

THE WILLIAM JENNINGS BRYAN PRIZE.

A prize fund of \$250 has been bestowed upon the University through the liberality of Hon. W. J. Bryan, of Nebraska, and a prize, named in his honor and consisting of the annual income of this fund will be offered each year, provided productions worthy of its bestowal be presented.

The prize will be awarded for the best essay on some topic relating to the problems of government, and the subjects for competition will be selected on alternate years by the Department of Economics and Sociology and the Department of History. The contest will be open to students who have Junior or Senior standing, more than half of whose work has been of the grade G, and to special students in the collegiate department

who have thirty-two hours credit of a similar grade.

The first contest will take place during the year 1900-1901, when the subject will be chosen by the Department of Economics and Sociology. The subject and further details of the plan of competition will be announced before June, 1900. The competitive essays must be submitted by the first of May, 1901.

PRIZE IN THE MATHETIAN SOCIETY.

Professor G. W. Droke, of the class of 1880, generously offers a prize to be competed for by the members of that society. This prize is awarded for the best declamation.

PRIZE IN THE GARLAND SOCIETY.

Through the liberality of Prof. G. A. Cole there is offered a handsome prize to be competed for by the members of the Garland Society. This prize is for the greatest improvement in debate.

THE ARKANSAS UNIVERSITY GEOLOGICAL AND
BIOLOGICAL SURVEY.

For the promotion of interest in the natural sciences and a systematic investigation of the many interesting questions of natural history within and adjoining the State, it is proposed to organize the Arkansas University Geological and Biological Survey. A party will be organized for field work during the summer vacation under

the direction of the professors in charge of Geology and Biology. Any student whose attainments are such as to permit him to take the work to advantage may be admitted to the party. In each case credit will be given in the University course according to the time spent and the character of the work done. Science teachers and others interested in science throughout the State are cordially invited to avail themselves of this opportunity of doing a pleasant and profitable summer's work.

UNIVERSITY MAGAZINE.

The "Ozark" is a monthly periodical published by a stock company and edited by a committee of students. It is sent free to all the accredited schools and to such other schools in the State as may desire it.

RELIGIOUS EXERCISES.

Religious exercises are held regularly in the University Chapel at the beginning of each daily session. Students are required to attend.

The churches of Fayetteville cordially welcome the students to their Sunday schools and various meetings for prayer and religious instruction. The denominations represented in the city are Baptist, Presbyterian, Cumberland Presbyterian, Methodist Episcopal, Methodist Episcopal South, Protestant Episcopal, Christian, and Roman Catholic. Many of the students

are actively engaged in the work of the different church societies and guilds. The Young Men's Christian Association holds regular meetings, and a commendable interest is shown in the work of the Association. Two Bible classes have been organized and weekly recitations are conducted by officers of the University.

ATHLETIC ASSOCIATION.

The purpose of this organization is to encourage the development of the physical man.

The Association as originally formed consisted of the U. of A. Athletic Club, the U. of A. Tennis Club, the U. of A. Baseball Club, and the U. of A. Football Club; and it is further provided that if any other club, organized by the students of the University for the practice of any sport, game, or exercise not already represented by one of the members of the Association, shall make a written application for membership in the Association, and the said application shall be approved by the governing body of the Association, the petitioning club shall become a member of the Association with all the rights and privileges pertaining to such membership.

MILITARY DEPARTMENT.

The head of this department is usually an officer of the United States Army detailed by the War Department for duty at the University.

All male collegiate students are required to take the Theoretical Course, and all male students over 15 years of age, not physically disabled, are required to take the Practical Course in Military Science, the latter including infantry drill, target practice, camping, guard duty, and various other exercises, the course covering the entire period of the student's stay at the University.

The act of Congress donating public lands for educational purposes requires that institutions which are the beneficiaries of such donations include Military Science and Tactics in their courses of instruction.

The system of practical instruction closely follows that used in the United States Army. It contains a course of gymnastic exercises for the development and improvement of the arms, chest, legs, hands, and feet. Besides being excellent physical training, this instruction has many advantages mentally. The necessity of being alert, listening for each word of command, and acting promptly on it, quickens the wit and cultivates the habit of fixing the attention and concentrating the thoughts. In addition to all this, it inculcates in the student a respect for authority and discipline which is equaled by no other system.

The cadets are organized into two battalions, composed of field staff, band, and six com-

panies. The officers and non-commissioned officers are selected from those students who are most proficient in their drill and military studies, and most exemplary in their deportment, the majors, captains, and lieutenants being taken, usually, from the Senior and Junior classes, and sergeants and corporals from the Sophomore and Freshman classes. An office in one of the battalions is one of merit and distinction, and any unbecoming conduct subjects the appointee to reduction to the ranks.

The cadet band, of some twenty pieces, constitutes an interesting feature of the military organization. It receives the best instruction obtainable, practices three hours per week, and takes part in all military ceremonies.

A competitive drill is held annually at the close of the school year, when prizes are awarded for proficiency in this department. The result of the last competition, held in June, 1899, was as follows:

COMPETITION AMONG THE COMPANIES.

To Company "F," Captain F. B. Kirby commanding, was awarded the National Colors for the following year.

CAPTAINS' COMPETITION.

To Captain J. L. Hornor, of Company "E," was awarded the Sword.

INDIVIDUAL COMPETITION.

To Cadet Private A. J. Campbell, of Company "E," was awarded the Gold Medal.

ARMY APPOINTMENTS.

The three students of the Senior class having the highest grade of merit in this department are reported to the Secretary of War, and their names are recorded in the Adjutant General's office and published in the Army Register for that year. The President of the United States, in appointing officers from civil life, gives preference to those whose names are so recorded. The three graduates of the class of 1899 having the highest military merit were: Major R. W. Huie, Captain F. B. Kirby and Captain C. R. Fillmore. Cadet officers on graduation are brevetted in the State Guard with the rank held by them in the Cadet Battalion at the date of their graduation, and recommendations of the Commandant of Cadets as to special military qualifications of the graduates of the military course are filed in the office of the Adjutant General of the State and considered in appointing commissioned officers of the State Guard.

A neat uniform of gray cloth, with brass buttons and black trimmings, is required to be worn by all cadets at drill. The uniform, complete, costs about fifteen dollars, and with ordinary care will last an entire year.

ORGANIZATION OF THE CORPS OF CADETS FOR THE YEAR
1899-1900.

Cadet Colonel J. L. Hornor, Commandant of Cadets.

COMMISSIONED AND NON-COMMISSIONED STAFF.

Cadet First Lieutenant and Adjutant C. H. Orto
 Cadet First Lieutenant and Quartermaster..C. C. Sloan
 Cadet Sergeant Major C. B. Martin
 Cadet Quartermaster Sergeant W. D. Gray

BAND.

Cadet First Lieutenant Commanding the Band.....
T. T. Dickinson
 Cadet First Lieutenant Leader of the Band
 R. A. Stephens
 Cadet Second Lieutenant of the Band.....M. R. Herron
 Cadet Principal Musician T. E. Sanders
 Cadet Principal Musician W. H. Buchanan
 Cadet Drum Major E. D. Kidder
 Cadet Sergeant of the Band.....*R. J. Nelson
 Cadet Sergeant of the Band.....†L. E. Worthley

FIRST BATTALION.

Cadet Major Commanding the Battalion.....
W. H. Rattenbury

COMPANY D.

Cadet Captain D. W. Taylor
 Cadet First Lieutenant E. D. Means
 Cadet Second Lieutenant E. R. Berry
 Cadet First Sergeant H. L. Ross
 Cadet Sergeant J. M. Clayton
 Cadet Sergeant E. C. Knott
 Cadet Sergeant R. B. Barton
 Cadet Sergeant T. C. Treadway
 Cadet Corporal G. Stubblefield
 Cadet Corporal B. P. Ware
 Cadet Corporal N. D. Kimbrough
 Cadet Corporal S. A. Mitchell

* On indefinite leave.

† Appointed November 20th.

COMPANY A.

Cadet Captain	F. Horsfall
Cadet First Lieutenant	A. J. Vaughan
Cadet Second Lieutenant	A. T. Erwin
Cadet First Sergeant	V. H. Cochrane
Cadet Sergeant	C. Smith
Cadet Sergeant	H. S. Brown
Cadet Sergeant	J. W. Baxter
Cadet Sergeant	B. F. Davis
Cadet Corporal	W. E. Bates
Cadet Corporal	C. L. Pratt
Cadet Corporal	R. Lester
Cadet Corporal	A. McGehee

COMPANY F (COLOR COMPANY).

Cadet Captain	G. C. Abernathy
Cadet First Lieutenant	G. W. Eld
Cadet Second Lieutenant	W. A. Beakley
Cadet First Sergeant	C. Sellers
Cadet Sergeant	N. Wilkinson
Cadet Sergeant	C. H. Triplett
Cadet Sergeant	W. D. Hobbs
Cadet Sergeant	W. H. Crozier
Cadet Corporal	S. Wood
Cadet Corporal	R. Warriner
Cadet Corporal	W. Hight
Cadet Corporal	B. W. Langford

SECOND BATTALION.

Cadet Major Commanding the Battalion.....	E. T. Brown
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COMPANY C.

Cadet Captain	G. F. Towler
Cadet First Lieutenant	R. E. Philbeck
Cadet Second Lieutenant	J. T. Collier
Cadet First Sergeant	L. L. Newman
Cadet Sergeant	H. H. Wilson
Cadet Sergeant	J. A. McAndrews
Cadet Sergeant	J. A. Bostick
Cadet Sergeant	R. Alden
Cadet Corporal	I. Gibson

Cadet Corporal	*A. R. Moon
Cadet Corporal	P. D. Burton
Cadet Corporal	O. D. Briggs

COMPANY E.

Cadet Captain	R. L. Saxon
Cadet First Lieutenant	G. A. Vincenheller
Cadet Second Lieutenant	W. A. Treadway
Cadet First Sergeant	F. I. Brown
Cadet Sergeant	C. McRae
Cadet Sergeant	J. E. Johnston
Cadet Sergeant	H. E. Buchanan
Cadet Sergeant	G. V. Prall
Cadet Corporal	J. L. McConnell
Cadet Corporal	R. M. Adams
Cadet Corporal	T. Quarles
Cadet Corporal	D. C. Mooring

COMPANY B.

Cadet Captain	J. S. Connelly
Cadet First Lieutenant	B. L. Moore
Cadet Second Lieutenant	W. E. Babb
Cadet First Sergeant	C. C. Curry
Cadet Sergeant	†Ed. Howell
Cadet Sergeant	G. D. Henderson
Cadet Sergeant	S. L. Henderson
Cadet Sergeant	R. D. Mesler
Cadet Sergeant	‡ W. Clancy
Cadet Corporal	J. F. Govan
Cadet Corporal	M. Banks
Cadet Corporal	B. G. Covington
Cadet Corporal	G. G. Hayes

* Died December 25th.

† Relieved.

‡ Appointed October 25th.

Agricultural Experiment Station.

R. L. BENNETT, M. S., Director.

W. G. VINCINHELLER, Vice-Director and Pomologist.

R. R. DINWIDDIE, M. S., Pathologist and Bacteriologist.

C. L. NEWMAN, B. S., Agriculturist.

ERNEST WALKER, B. S. A., Horticulturist and Entomologist.

GEORGE B. IRBY, B. A., Assistant in Feeding Experiments.

J. F. MOORE, B. S., Assistant Chemist.

The National Government established the Experiment Station as a department of the University in 1887, and maintains it to investigate agricultural problems for the aid of the farmers of the State.

The work of the Experiment Station is divided into the special lines of Agriculture, Horticulture and Entomology; Chemistry, Animal and Plant Diseases; Animal Production, Pomology and Farmers' Institute work. Specialists are employed in each line, and experiments are made both in the field and laboratory in the improvement of soils, the rotation of crops, diseases of plants and domestic animals, in fertilizers, the value of stock foods, dairying, and other matters. Students interested in agricultural

subjects are given opportunity to observe the experiments and to acquaint themselves with the work of the Station in its various departments; the bulletins are also available for their use. The experiments and their results are published in bulletins, which are sent free to farmers, stock raisers, and fruit growers of the State, and to others interested in agriculture.

Those who desire the Station bulletins should apply for them to the Director of the Station, Fayetteville, Ark. One application is sufficient to obtain all future bulletins, if desired.

DEGREES.

The following degrees are conferred by the University:

For undergraduate work:

- Bachelor of Arts (B. A.).
- Bachelor of Philosophy (B. Ph.).
- Bachelor of Science (B. S.).
- Bachelor of Civil Engineering (B. C. E.).
- Bachelor of Mechanical Engineering (B. M. E.).
- Bachelor of Electrical Engineering (B. E. E.).
- Bachelor of Scientific Agriculture (B. S. A.).

For graduate work:

- Master of Arts (M. A.).
- Master of Science (M. S.).
- Mechanical Engineer (M. E.).
- Civil Engineer (C. E.).
- Electrical Engineer (E. E.).

The number of hours required for graduation in all courses leading to the degrees of B. A.,

B. Ph., and B. S. is sixty-four, exclusive of military science and tactics.

The courses leading to these degrees have been planned with the view of retaining as required studies those subjects which seem essential for all who are candidates for a liberal degree, and, at the same time, of allowing as large freedom of selection as is consistent with the attainment of a sound education.

SCHEDULE OF STUDIES FOR THE DEGREES

60

B. A.

FRESHMAN YEAR.

	Hours per week
English 1.....	3
Latin 1.....	3
Greek 1.....	4
Mathematics 1.....	3
History 1.....	2

SOPHOMORE YEAR.

English 2.....	3
Latin 2.....	3
Greek 2.....	5
Mathematics 3.....	3
Chemistry 1, or	} ... 3
Physics 1, or	
Biology 1, or 2, or 3, or	
Geology 1 or 2.....	

B. PH.

FRESHMAN YEAR.

	Hours per week
English 1.....	3
Latin 1.....	3
Biology 2, or	} 3
Geology 1....	
Mathematics 1.....	3
Chemistry 1, or	} 3
Physics 1.....	

SOPHOMORE YEAR.

English 2.....	3
Latin 2.....	3
German 1, or French 1.....	3
Mathematics 3.....	3
History 1 or 3, or	} 2
Economics 1....	
Chemistry, or	} 3
Physics, or	
Biology 2 or 3, or	
Geology 1 or 2 ...	

B. S.

FRESHMAN YEAR.

	Hours per week
English 1.....	3
German 1.....	3
Chemistry 1.....	3
Mathematics 1.....	3
Biology 2, or	} 3
Geology 1, or	
Agriculture, or	
Horticulture ...	

SOPHOMORE YEAR.

English 2.....	3
German 2.....	3
Physics 1.....	3
Mathematics 3.....	3
History 1 or 3, or	} 2
Economics 1....	
Biology 2 or 3, or	} 3
Geology 1 or 2, or	
Chemistry, or	
Agriculture, or	
Horticulture	

SCHEDULE OF STUDIES FOR THE DEGREES--CONTINUED

B. A.

JUNIOR YEAR.

	Hours per week
English 5.....	2
Latin 3, or Greek 3.....	3
History 2, or {	3
Economics 1. {	3
Elective	8

SENIOR YEAR.

English 7.....	1
Philosophy 1 and 2.....	3
Some language already {	3
studied..... {	3
Elective	9

B. PH.

JUNIOR YEAR.

	Hours per week
English 5.....	2
German 2, or {	3
French 2..... {	3
History 2 or 4 or 5, or {	3
Economics 2 or 7..... {	3
Elective	8

SENIOR YEAR.

English 7.....	1
Philosophy 1 and 2.....	3
History, or {	3
Economics 2 or 7. {	3
Elective	9

B. S.

JUNIOR YEAR.

	Hours per week
English 5.....	2
History 2 or 4 or 5, or {	3
Economics 2 or 7..... {	3
Chemistry, or {	3
Physics, or {	3
Biology 4 or 5, or {	3
Geology {	3
Elective	8

SENIOR YEAR.

English 7.....	1
Philosophy 1 and 2.....	3
A natural or physical {	3
science already {	3
studied {	3
Elective	9

NOTE 1.—The figures immediately following each subject refer to the Description of Courses beginning on page 66.

NOTE 2.—For courses in Engineering see pp. 93, 100, 104; in Agriculture, 109; in Horticulture, 113; in Normal Department, 87; in Music, 116; in Art, 119.

NOTE 3.—In the Junior year, B. S. course, Biology 4 is 4 hours per week, Biology 5 is 5 hours per week; hence, if these subjects are taken electives are reduced respectively to 7 and 6 hours.

REQUIREMENTS FOR THE MASTER'S DEGREE.

1. A Bachelor's Degree from this University or another institution in which the course of study pursued is recognized as fully equivalent.

2. That not less than one year intervene between the conferring of the Bachelor's and Master's degrees.

3. That a course of study in one major and two minor subjects aggregating with a thesis sixteen hours per week be pursued in residence at the University for not less than one year. But graduates of this University may do half their work in absence under the direction of the Professors in charge of the subjects chosen, provided that residence at the University during the term preceding final examination for the degree is required.

4. That the major subject covering six hours shall be strictly graduate work and selected in a department in which all undergraduate work has been previously completed.

5. That the two minor studies aggregating eight hours per week shall be chosen from departments in each of which the candidate has already two years credit, provided that no work credited to the Bachelor's Degree shall be counted toward the Master's Degree.

6. A satisfactory thesis in the major subject, the theme of which shall be approved by the head of the department six months before the

final examination. For the thesis a credit of two hours shall be given.

7. That the candidate shall hand to the Professor in charge of the major subject the thesis on or before the 15th of May. Previous to his final examination the candidate shall be questioned on his thesis by a committee composed of the Professors in charge of the major and minor subjects and a Professor of another department to be designated by the Faculty.

REQUIREMENTS FOR THE DEGREES OF C. E., M. E.
OR E. E.

These courses of study are intended to give additional preparation to those students who have finished an undergraduate course in Engineering, for some special line of work to which their previous study has led. The student will have all reasonable liberty in selecting such specialties and will be limited only by certain general requirements. He will be required at the beginning of the year to make up the course which he proposes to follow and to present it to the Faculty, approved by the instructors concerned. If accepted, it will be subject to change only by the Faculty. In general, it is expected that these courses shall comprise one principal subject based on the course already pursued, and two secondary subjects, one or both of which should be closely related to the principal. The graduate course should amount to not less than

fifteen recitation hours per week as counted in undergraduate work.

The subject of a thesis for any of the above degrees must be submitted to the Faculty for approval before the middle of the second term.

These degrees will also be given to graduates in Civil, Mechanical, and Electrical Engineering who have been in successful practice of their profession for three years and who have submitted a satisfactory thesis on a subject approved by the Faculty.

Charges.—Graduate students pay \$10 for matriculation and registration, \$10 tuition (non-residents \$5) at the beginning of each session, and \$10 in advance for the final examination. Students who fail to comply with any of these requirements, or who do not each year complete the equivalent of two terms' work in one subject, will be dropped from the rolls. Should such students desire to resume their studies, they must pay for matriculation and registration, as if beginning for the first time. The diploma fee is \$5 in advance in each case.

Graduates attending only undergraduate classes pay the same fee as undergraduates.

Non-resident students have such assistance and instruction in their studies as can be conveniently given by correspondence.

HONORS.

Students who have attained grade "E" in work aggregating fifty hours per week (counted on the basis of a four years' course) are granted degrees "with special distinction."

Students who have attained grade "E" in work aggregating thirty-two hours per week, or grade "E" or "G" in work aggregating fifty hours per week, are granted degrees "with distinction."

Description of Courses.

ANCIENT LANGUAGES.

W. A. MONTGOMERY, Professor.

E. F. SHANNON, Associate Professor.

J. C. FUTRALL (absent on leave).

In this department the following courses are offered:

LATIN.

1. *Sallust, Cicero and Virgil*.....3

An accurate knowledge of the Latin forms is insisted upon; exercises in prose composition taken from Bennett's Latin Composition.

Associate Professor Shannon.

Required of Freshmen in the B. A. and B. Ph. Courses.

2. *Cicero and Livy*.....3

Systematic study of the grammar; exercises in prose composition, based chiefly upon the authors read in class; sight reading; Roman literature.

Professor Montgomery.

Required of Sophomores in the B. A. and B. Ph. Courses.

3. *Horace, Livy and Tacitus*.....3

Large amounts of each author read in class; parallel reading assigned; study of the grammar continued; the metres of Horace; prose composition; Roman literature.

Associate Professor Shannon.

Optional with Greek 3 for Juniors in the B. A. Course.

4. *Sight Reading Course*.....2-1*Professor Montgomery.*

Elective for students who have completed Course 2.

5. *Roman Poets*.....3

Readings will be taken from Plautus, Terence, Catullus, Horace and others, and the attention of the students will be directed rather to the literary side of the authors read than to grammatical and syntactical peculiarities.

Professor Montgomery.

Elective for students who have completed Course 3.

Text-books: Bennett's and Gildersleeve's Grammars; Wilkin's Primer of Roman Literature; Cruttwell's Roman Literature. Any approved edition of the Latin authors may be used, except when certain editions are prescribed. Harper's and White's Lexicons are recommended.

GREEK.

1. *Elementary Course*.....4

White's Beginner's Greek Book, with selections for reading. A thorough mastery of the forms and constructions given in this book is required.

Associate Professor Shannon.

Required of Freshmen in the B. A. Course.

2. *Xenophon and Lysias*.....5

This course is intended to familiarize the student with all the ordinary Attic forms and constructions; frequent exercises in oral and written translation of English into Greek, based upon the text read, are given, and some practice in sight reading; Goodwin's Grammar.

Professor Montgomery.

Required of Sophomores in the B. A. Course.

3. *Homer, Herodotus and Plato*.....3

Systematic study of the grammar; prose composition; Greek literature; sight reading.

Associate Professor Shannon.

Optional with Latin 3 for Juniors in the B. A. Course.

4. *Thucydides, Demosthenes, Aristophanes and Sophocles*3

The Course will be conducted on the same plan as Latin 5.

Professor Montgomery.

Elective for students who have completed Course 3.

Text-books: Goodwin's Revised Greek Grammar; Goodwin's Greek moods and tenses; Collar and Daniell's Prose Composition, based on Xenophon's Anabasis; Higley's Exercises in Greek Composition. Any approved edition of the Greek authors may be used, except when certain editions are prescribed. Liddell and Scott's Lexicons are recommended.

ENGLISH AND MODERN LANGUAGES.

ERNEST T. BYNUM, Professor.

HADGIE DAVIES, Associate Professor.

WILLIAM A. READ, Adjunct Professor.

CLARA EARLE, Instructor.

ENGLISH.

1. *Elementary Course*.....3

Thorough review of the essentials of English grammar, with frequent practice in composition. The course includes a study of the poets of America. Text-books: Baskervill and Sewell's English Grammar; Matthews's Introduction to American Literature; Riverside Lit. Series.

Miss Davies and Adjunct Professor Read.

Required of all Freshmen in the B. A., B. S., B. Ph. and Engineering Courses. Required of all Sophomores in the Agricultural Course.

2. *Rhetoric and English Literature*.....3

Rhetoric and composition; weekly themes and two essays each term. Text-books: Carpenter's Exercises in Rhetoric and English Composition; Pancoast's Introduction to English Literature.

Miss Davies.

Required of all Sophomores in B. A., B. Ph. and B. S. Courses. Elective for all others who have completed English 1.

3. *The English Novel in the Nineteenth Century*2

A critical study of selected masterpieces, with parallel readings, and essays.

Miss Davies.

Junior and Senior elective.

4. *(a) Shakespeare; (b) Poetries*.....2

Course a: A study of representative plays.

Course b: Lectures on the origin and development of important verse forms. Subjects will be assigned for investigation.

Adjunct Professor Read.

Junior and Senior elective.

5. *Old English*.....2

An introductory course for students beginning the study of the language. Text-book: Bright's Anglo-Saxon Reader.

Adjunct Professor Read.

Required of all Juniors in B. A., B. Ph. and B. S. Courses. Elective for others who have completed English 1 and 2.

6. *Advanced Old English*.....2

A study of selected texts. In 1900-'01, Beowulf.

Adjunct Professor Read.

Senior elective.

7. *Middle English*.....1

A course in the interpretation of selected Middle English texts. In 1900-'01, Chaucer.

Adjunct Professor Read.

Required of all Seniors in B. A., B. Ph. and B. S. Courses.

8. *Teachers' Course in English*.....1

Lectures and suggestions as to the proper methods of teaching English.

Miss Davies.

General elective.

GERMAN.

1. *Elementary Course*.....3

Elements of grammar; exercises in composition; reading; Joynes-Meissner: German Grammar. Brandt: German Reader. Leander: Traumereien.

Professors Bynum and Read.

Required of all Freshmen in B. S. Course and of Sophomores in B. Ph. Course not taking French. Elective in all other courses.

2. *Modern German Prose and Poetry*.....3

Advanced composition and syntax. Reading. Freytag: Die Journalisten. Heyse: L'Arrabbiata. Storm: Immensee. Suderman: Der Katzensteg. Harris: German Composition.

Professor Bynum.

Required of Sophomores in B. S. Course and of Juniors in B. Ph. Course not taking French 2. Elective in all other courses.

3. *Lessing and Schiller*.....2

Lives and works of these authors. Outside reading. Occasional exercises in composition. Schiller: Ausgewaehlte Werke. Lessing: Ausgewaehlte Werke.

Professor Bynum.

Elective for those who have completed Courses 1 and 2, but by special permission may be taken by advanced students along with Course 2.

4. *Goethe*2

Goethe's Life and Works. Goethe: Ausgewaehlte Werke.

Professor Bynum.

Elective for all who have had at least two years work in German.

5. *German at Sight and Conversation*.....2

Reading and discussion of easy texts in the German Language.

Professor Bynum.

Elective for those who have completed Course 1. This course counts for one hour only in the number of hours required for graduation.

6. *Scientific German*.....1

Dippold: Scientific German Reader. Walther: Allgemeine Meereskunde.

Professor Bynum.

Elective for those who have completed Course 1.

FRENCH.

1. *Elementary Course*.....3

Deborde's Grammar with composition; Rollin's Reader, containing prose tales and short poems. De Maistre's *La Jeune Siberienne*. Persistent drill in pronunciation.

Miss Earle.

Either French 1 or German 1 required of Sophomores in the B. Ph. Course; elective for all others.

2. *Nineteenth Century Literature*.....3

Outside reading, sight reading and advanced composition. Merimee's *Colomba*; Erckmann-Chatrian's *Histoire d'un Paysan*; Gautier's *Voyage en Espagne*; Beaumarchais' *Barbier de Seville*; Selections from Daudet; Victor Hugo's *Quatre-vingt-treize*; Grandgent's French Composition. Dictionaries: Gasc's, Spier's, Surenné's *Quarto*, Heath's, *The Classic*.

Miss Earle.

Either French 2 or German 2 required of Juniors in the B. Ph. Course; elective for all others.

3. *The French Classic Drama*.....3

Critical study of representative authors; Corneille, one tragedy; Racine, two tragedies; Moliere, two comedies. Outside reading and advanced composi-

tion; original composition; lectures on the literature of the seventeenth century.

Professor Bynum.

Junior and Senior elective.

4. *French at Sight and Conversation*.....2

Reading and discussion of easy texts in the French language.

Professor Bynum.

Elective for those who have completed Course 1.

5. *Scientific French*.....1

Herdler's Scientific French Reader and other selections.

Miss Earle.

Junior and Senior elective.

NOTE.—Course 4 counts for only one hour in the number of hours required for graduation. Course 5 may be twice a week if circumstances render this expedient.

SPANISH.

1. *Elementary Course*.....3

Edgren's Spanish Grammar with composition; Matzke's Spanish Reader, containing extracts from modern authors; Alarcon's *El Capitan Veneno*.

Miss Earle.

Junior and Senior elective.

2. *The Spanish Classic Writers*.....3

Advanced Grammar and composition. Galdo's *Dona Perfecta*; Caballero's *Familia de Alvereda*; Calderon's *Vida es Sueno*; Selections from *Don Quixote*; Lope's *Discreta Enamorada*. Outside reading. Dictionaries: Velasquez.

Miss Earle.

Junior and Senior elective. Ordinarily this class will not be formed for less than five students.

ITALIAN.

There is at present no class in Italian, but such a course will be given by Professors Bynum or Read if a sufficient number of students desire to take it.

MATHEMATICS AND ASTRONOMY.

GEO. W. DROKE, Professor.

B. J. DUNN, Associate Professor.

In this department the following courses are offered :

MATHEMATICS.

1. *Solid Geometry, Trigonometry*3

Text-book: Beman and Smith's New Plane and Solid Geometry.

Required of all Freshmen.

2. *Algebra*2

Text-book: Hall and Knight's Algebra for Colleges and Schools.

Required of all Freshman Engineers; optional for Freshmen in other courses.

3. *Algebra, Conic Sections*3

Text-book: Tanner and Allen's Analytic Geometry.

Required of Sophomores in the B. S., B. Ph. and B. A. Courses.

4. *Determinants, Analytic Geometry*3

Required of Sophomore Engineers.

5. *Spherical Trigonometry, Calculus*2

Text-book: Osborne's Calculus.

Required of Sophomore Engineers.

6. *Calculus*3

Required of Junior Engineers.

7. *Spherical Trigonometry, Theory of Equations and Determinants*2

Elective.

8. *Analytic Geometry of Three Dimensions, and
Differential Equations*3

Books of reference: C. Smith's and Frost's Solid Geometry, Salmon's Geometry of Three Dimensions.

Senior elective.

Those who desire to make pure Mathematics their major subject are advised to take Course 4 instead of Course 3 in the Sophomore year, Courses 2 and 6 in the Junior, and Courses 7 and 8 in the Senior.

GRADUATE COURSES.

9. *Modern Pure Geometry, Modern Analytic
Geometry*3

10. *Advanced Integral Calculus, Modern Higher
Algebra*3

11. *Projective Geometry, Theory of Functions.* 3

ASTRONOMY.

12. *Descriptive Astronomy, Lectures and Recitations*3

Todd's New Astronomy. First term.

13. *Spherical Astronomy (second term)*3

The class in Astronomy has the use of a new four-inch telescope, sextant, celestial globe, and other simple instruments. The "Laboratory Method" of instruction is followed as far as practicable.

HISTORY AND POLITICAL SCIENCE.

A. F. LEWIS, Professor.

The aim of this department is to study the moral, social and political forces which have operated in the development of national life and to apply the lessons thus learned to the solution of

the social problems of our own time. A good course in general history may be obtained by taking courses 1 and 2, while a similar course in American and English history is to be found in courses 3, 4 and 5. Course 1 is required of all Freshmen in the B. A. course. It is strongly urged that all candidates for the Ph. B. and B. S. degrees take this course in their preparatory work so that they may be prepared for course 2 in their Sophomore year and for other elective courses in their Junior and Senior years. Those electing any of the courses, 6 to 11 inclusive, must have a sufficient preparation to pursue with profit the courses chosen. In general courses 1 and 2 will be required prior to taking courses 6, 7, 10 and 11, and courses 1 and 2 or 3, 4 and 5 will be prerequisites to courses 8 and 9.

COURSES.

1. *History of Greece and Rome*.....2

Required of all B. A. students in Freshman year. Students in Ph. B. and B. S. courses will take this course in Sophomore year, unless they have previously taken it in the preparatory school, in which case they will take Course 2 instead. Text-books: Oman's History of Greece and Leighton's History of Rome. These will be supplemented by parallel reading and topical research.

2. *Mediaeval and Modern History*.....3

This course may be taken in the Sophomore year by all students who enter with Greek and Roman history, and in the Junior or Senior year by all who

have taken Course 1. Duruy's Middle Ages and Duruy's Modern Times supplemented by reports and prescribed readings.

3. *American Political and Constitutional History*2

From the Revolution to the present with a review of the colonial period. May be elected by all collegiate students. Lee's Advanced School History and Curry's Southern States, with lectures, reports and parallel reading.

4. *American Civil Government and Constitutional Law*1

May be taken with Course 3 or separately. Fiske's Civil Government, with supplementary reading.

5. *Political and Constitutional History of England*2

General College elective. Montgomery's History of England and Feilden's Short Constitutional History of England, with parallel reading, topical research and lectures. The first term will be given to the political history which may be taken separately as the equivalent of a one hour elective.

6. *Era of the Renaissance and Reformation (first term)*2

This course is based on Seebohm's Era of the Protestant Revolution, which is largely supplemented by lectures, reports, and parallel reading.

7. *French Revolution and Napoleonic Era (second term)*2

Based on Morris' French Revolution and First Empire, supplemented as in Course 6.

8. *Comparative Study of American and European Governments (first term)*2
 Selections from Woodrow Wilson's State, with parallel reading and topical research.
9. *International Law (second term)*2
 Davis' International Law, prescribed readings, and reports.
10. *Nineteenth Century History, with Special Reference to Germany*1
 Muller's Political History of Recent Times, reports and lectures.
11. *History of Civilization*1
 Guizot's History of Civilization, student's edition, topical research and lectures.

ECONOMICS AND SOCIOLOGY.

S. J. McLEAN, Professor.

The courses offered in this department are designed to afford such instruction as will be advantageous to those who intend to enter public life, or those callings which will bring them closely in touch with the activities of citizenship. Course 1 is required before more advanced courses in this department are taken.

1. *Principles of Economics (both terms)*2
 Recitations, prescribed readings, reports and debates.
 Text-book: Walker, Political Economy.
2. *Industrial History of America and Europe since 1763 (first term)*3
 The leading industrial facts of this period, including panics and trusts, are considered. A detailed

study of some of the more important industries will also be made. Lectures, reports, and prescribed readings. Selected portions of Rand's Economic History will be studied.

3. *Banking (first part of second term) 3*

The principles of Banking and the history of Banking Systems. Lectures, recitations, reports and readings. Text-book: Dunbar, Chapters in the Theory and History of Banking.

4. *Money (latter part of second term) 3*

The principles of Money and the history of Monetary Systems are considered.

5. *Tariff History and Problems (first term) . 2*

United States, England, France and Germany. Special attention will be devoted to the tariff history of the United States. Text-book: Taussig, Tariff History of the United States. This will be supplemented by lectures and use of government documents.

6. *History of Economic Thought, from Plato and Aristotle to the Present (second term) 2*

Text-book: Ingram's History of Political Economy; supplementary readings and reports will also be required.

7. *Public Finance (first term) 3*

Principles and history of taxation, management of public debts, consideration of governmental activities, etc. Text-book: Plehn, Introduction to Public Finance. Lectures, readings, and use of government documents.

8. *Transportation, Its History and Problems (second term) 3*

The economic aspects of water transportation, the great lakes, canal systems, and the Mississippi; the

evolution of the railroad system, railroad geography, rate-making, state versus private ownership, methods of government control, railroad finances, etc. Lectures, prescribed readings, and use of Railroad Commission Reports. Text-book: Hadley, Railroad Transportation.

9. *Principles of Sociology (first term)*.....2

This course considers the elements and conditions of social growth and progress. Recitations, lectures and reading of assigned chapters in Spencer's Principles of Sociology and in Gidding's Principles of Sociology. Text-book: Fairbank's Introduction to Sociology.

10. *Problems of Social Growth (second term)*.2

Trade-unionism, arbitration and conciliation, socialism, communism, co-operation and profit-sharing. Lectures and reports. For reference: Ely, The Labor Movement in America, and Ely, French and German Socialism.

11. *Commerce (first term)*.....2

Theory of foreign commerce; investigation of the commercial resources of the leading countries of the present. Students will be expected to acquaint themselves with the United States Consular Reports. Text-book: Chisholm, Smaller Commercial Geography.

12. *Labor Legislation (second term)*.....2

History and critical investigation of the attitude of the State towards Labor; apprenticeship laws, combination laws, trade union recognition, factory legislation, etc. For reference, Stimson, Handbook to the Labor Law of the United States.

CHEMISTRY AND PHYSICS.

A. E. MENKE, Professor.

W. B. BENTLEY, Associate Professor.

1. *General Inorganic Chemistry*.....3

Lectures and recitations twice a week; laboratory work one afternoon throughout the year.

Professor Menke.

Required for Freshmen B. S., all Engineering Courses, and B. S. A.

2. *Chemical Philosophy*.....2

Twice per week, second term. This course supplements the instruction in theoretical chemistry given in Course 1. Text-book: Morgan's Physical Chemistry. Reference books: Ostwald's General Chemistry, and Meyer's Theoretical Chemistry.

Associate Professor Bentley.

3. *Qualitative Analysis.*

(a) Recitations twice per week, first term. (b) Laboratory work two afternoons per week for engineering students, three afternoons for scientific students, throughout the year. The recitations are occupied with the discussion of problems depending on the principles of qualitative analysis. The object of these discussions is to enable the student to understand the methods of separation as well as to be able to follow them practically. In the laboratory a large number of substances, both simple and complex, are analyzed. Laboratory Manual: Hill's Lecture Notes on Qualitative Analysis.

Associate Professor Bentley.

4. *Organic Chemistry*..... 3

Recitations three times per week throughout the year with laboratory work, if desired. Berntsen's Organic Chemistry.

Associate Professor Bentley.

5. *Quantitative Analysis*.....4
Laboratory work four afternoons per week. Practice in gravimetric and volumetric analysis. Manual: Thorp.
Associate Professor Bentley.
6. *Quantitative Analysis*.....4
Second course. Analysis of agriculture and food products. First term.
Professor Menke.
7. *Technical Chemistry*.....3
Three times per week throughout the year. A study of industries having chemical principles and processes for a basis. Manuals: Wagner, Sadtler.
Associate Professor Bentley.
8. *Physical Chemistry*.....3
Chiefly laboratory work; determination of molecular weights according to the various methods in common use; thermochemical work, measurement of electric conductivity of electrolytes; practice with polariscope, refractometer, etc.
Associate Professor Bentley.
9. *Assaying*2 or 3
Class meets at convenience of the instructor. Preparing and testing reagents, making cupels, etc., and assaying samples of furnace and mill products. Second term. Text-book: Ricketts & Miller.
Professor Menke.
10. *Toxicology*1
Once a week throughout the year. A working knowledge of qualitative and quantitative analysis is a condition requisite for admission to this class.
Professor Menke.

11. *Gas Analysis*.....1

Practical work once a week throughout the year. This course is designed particularly for technical students.

Professor Menke.

12. *Metallurgy*3

Three times per week. First term.

Professor Menke.

13. *Water Analysis*.....3

One term, three times per week, for civil engineering students.

Professor Menke.

14. *Electro-Chemistry*3

Three times per week the first term. For Junior electrical engineering students. Leblanc.

Associate Professor Bentley.

PHYSICS.

1. *General Physics*.....3

Recitations twice and laboratory work once per week throughout the year. Recitations and experimental lectures on mechanics, sound, heat, light, magnetism, and electricity.

Professor Menke.

Required for Sophomore B. S. and Engineering students.

2. *Electricity and Magnetism*.....3

Recitations twice and laboratory work once per week throughout the year. Text-book: Silvanus Thomson's Electricity and Magnetism.

Professor Menke.

Required for Sophomore E. E. students.

3. *Physical Measurements*.....2

Measurements in mechanics, sound, heat, light, magnetism, and electricity. Manual: Sabine.

Associate Professor Bentley.

DEPARTMENT OF BIOLOGY.

F. W. PICKEL, Professor.

The courses in this department have been arranged to meet the needs of three classes of students: Those who desire to become acquainted with the fundamental principles of plant and animal life; those who contemplate the study of medicine; and those wishing to go more thoroughly into the study of biological science to obtain the technical training necessary for subsequent investigation or for teaching.

1. *General Biology*.....3

This course serves as an introduction to the whole field of biological science, and should be a part of the general education of every student. Types of plants and animals will be dissected and studied in the laboratory and the essential truths of biology emphasized. One recitation and laboratory four hours per week, first term. Text-book: Parker's Lessons in Biology.

2. *Botany*3

In this course special attention is paid to the morphology, physiology and ecology of plants, but due attention is given to the systematic classification of plants in the second term, and each student is required to collect and write a technical description of a certain number of plants. The geological history of plants and the origin of cultivated plants will be briefly considered. Recitations and laboratory six hours per week throughout the year. Text-books: Barnes' Plant Life; Chapman's Flora of Southern States.

3. *General Zoology*3

A general course in Invertebrate and Vertebrate Morphology. Attention will be given to the fundamental facts of zoological science, and the laws of development, heredity, variation, correlation, etc. In connection with the laboratory work in the course instruction will be given to such students as desire to learn methods of preparing bird skins and mammal skins for laboratory and museum specimens. One recitation and four hours laboratory per week throughout the year. Text-books: Hertwig's Essentials of Zoology; Kingsley's Comparative Anatomy. Reference books: McMurrich's Invertebrate Zoology; Text-book of Zoology (Parker & Haswell); Wiedersheim's Comparative Anatomy of Vertebrates.

4. *Entomology*4

Lectures relating to the metamorphosis, anatomy, physiology, and habits of insects. Special importance will be given to beneficial and injurious insects, with remedies for the latter. Laboratory work will consist in the study of typical forms with the aid of the guide. This will be followed with determinations of families and practical studies of life histories of insects, and with methods of collecting, breeding and preserving specimens. Two lectures and four hours laboratory work per week. Text-books: Comstock's Laboratory Guide; Harris' Insects Injurious to Vegetation. In all courses in Botany and Zoology, field work, when practicable, will form an important feature of the work.

5. *Mammalian Anatomy and Physiology*....5

This course is offered to students intending to study medicine, but is open to any student who has completed Course 1 in Biology and Course 1 in Chemistry. It includes a thorough dissection of one of the higher mammals, e. g., the dog, cat or rabbit; laboratory work in chemical physiology, and a short course

of instruction in histological and embryological methods of technique to acquaint the student with the principles of Histology and Embryology. Two lectures and six hours laboratory per week throughout the year. Reference books: Gray's Human Anatomy; Reynold's The Vertebrate Skeleton; American Text-book of Physiology; Marshall's Embryology; Stohr's Histology.

6. *A Special Course in Nature Study, its aim, method, etc., and Systematic Science Teaching will be offered to students who expect to teach.*

One lecture per week throughout the year.

GEOLOGY AND MINERALOGY.

A. H. PURDUE, Professor.

CARL LEON SADDLER, Assistant in Topographic Geology.

1. *Physical Geography and Surface Geology*..3

(a) Recitations three hours a week during the first term, with special attention to atmospheric and oceanic phenomena. Authors: Davis, Ferrell, Tarr, and Waldo.

(b) Recitations and lectures three times a week during the second term on the origin of topographic features, with special attention to the development of streams and stream features. Texts-books: Scott's Introduction to Geology; Russell's Rivers of North America.

2. *General Geology, Continental Evolution, and Economic Geology*.....3

(a) Structural and Dynamic Geology. Recitations and lectures three times a week during the first term. Text: Scott's Introduction to Geology, with outside reading.

(b) Continental Evolution. Twelve lectures, with collateral reading, three hours a week during a part of the second term, on the Evolution of the North American Continent.

(c) Economic Geology. Lectures, with collateral reading, three hours a week, following Course (b), on the Formation, Modes of Occurrence, Uses and Geographic Distribution of ore deposits.

3. *Practical Geology*.....1

Field and laboratory work two hours a week throughout the year, with the construction of geological maps and sections, topographic maps, and relief maps.

4. *Paleontology*3

Laboratory work six hours a week throughout the year, on the determination of fossil organisms.

5. *Crystallography and Mineralogy*.....3

(a) Lectures and recitations two hours a week during the first six weeks on the elements of Geometrical Crystallography. Text: Williams's Elements of Crystallography.

(b) Laboratory work (two hours) three times a week following course (a) and extending through the year. Determination of minerals before the blowpipe, and in the wet way. Text: Determinative Mineralogy, Brush.

6. *Field and Special Courses*.....3

Students electing Geology as a major will be expected to spend sufficient time in the field for the careful investigation of local geological problems, and to present acceptable theses on the work done. Special courses will be arranged for those who wish to elect work in addition to what is required.

The Normal Course.

JUNIUS JORDAN, Professor.

Section 6974 of the Revised Statutes of the State is as follows: "The State Superintendent of Public Instruction shall have power to grant State certificates, which shall be valid for life, unless revoked, to any person in the State who shall pass a thorough examination in all those branches required for granting county certificates, and also in algebra and geometry, physics, rhetoric, mental philosophy, history, latin, the Constitution of the United States, and of the State of Arkansas, natural history, and the theory and art of teaching."

This course includes all the branches required for a State certificate in accordance with the law, and leads to the degree of Licentiate of Instruction (L. I.). After completing the Normal Course students may take up in the Junior class the work of any course for which they may be prepared, and compete for the corresponding degree.

FRESHMAN YEAR.		Hours per week
English 1		3
Latin 1		3
Mathematics 1		3

Biology 1	3
Pedagogics 1 and 2	5

SOPHOMORE YEAR.

English 2	3
Mathematics 2	3
General History	3
Physics 1	3
Pedagogics 3 and 4	5

PEDAGOGY.

PROFESSOR JORDAN.

The graduates of the University fill many of the best educational positions in the State. The demand for trained teachers is increasing, and the facilities heretofore afforded at this State school have been enlarged so as to meet the necessity. In addition to this, the incitement to higher professional ideals, consequent upon the county normal system, has made it important that provision be made to improve the skill and power of those teachers who prefer to study Pedagogics within the conditions that confront us in our own State.

Besides the requirements of greater efficiency in teachers of the ungraded schools, there is a marked demand for increased power in the principals of our high schools, and greater skill in supervision in our special school districts. It is no credit to the State that such material is usually sought and found beyond our borders.

The Department of Pedagogy was organized by the Board of Trustees to provide the course of study and work that is necessary.

1. To increase skill and efficiency in organization, methods, management, and teaching in our rural, or ungraded schools.

2. To qualify teachers for the higher grades embodied in the studies necessary for State license.

3. To prepare teachers for professional skill in supervision, either as principals or superintendents.

4. To give increased scope and development to our secondary schools.

5. To elevate and maintain a greater pride and professional standard within our own borders.

The full course of Pedagogics will embrace the following subjects, supplemented by collateral readings and lectures:

Methods and Management.

Organization and Teaching.

Psychology as applied to Education.

Theory and Art in Primary Schools.

Practice Methods with Model Classes.

School Supervision.

School Architecture, Sanitation, and Hygiene.

History and Science of Education.

Comparative methods—European and American.

Ancient and Modern Systems Compared.

History of Educational Epochs and Reformers.

Effects on Modern Civilization, caused by the improved science and art of Pedagogy.

Ethics of the Schoolroom and of the Profession.

Ethics—Personal, Social, National.

Physiological—Psychology.

Lectures and Experimental Work in Neurology.

History of Education in the United States.

History of Education in Arkansas.
Comparative Systems in the States.
Arkansas School Laws.
School Laws of the Various States.

The Department of Pedagogy is partially correlated with the work necessary for the degree B. Ph., and on the completion of the Normal course, students may continue Junior work in this course, getting credit for those studies satisfactorily passed as requirements in the regular course.

DEPARTMENT OF PEDAGOGY.

PROFESSOR JORDAN.

1. *Elements of Psychology and Pedagogy.*

Three times a week with lectures. Readings: Lives of Pestalozzi and Horace Mann.

2. *Teaching and Organization.*

Methods and Management; twice a week. Readings: King's School Interests and Duties; History of Education in Arkansas.

3. *Applied Psychology.*

Lectures on Pedagogy; three times a week. System and Science of Methods. Practical work with model classes.

4. *History of Pedagogy.*

Educational Epochs and Reformers; twice a week. Ethics, as to personal and relative rights and duties. Ethics of the schoolroom, and Professional Ethics; once a week.

5. *Hill's Psychology.*

Psychological Foundations of Education; three times a week. Lectures on Neurology, with experiments and investigations in the department of Biology. Reading: Boone's History of Education in the United States.

6. *History of Education.*

Ancient and Modern Science of Education; twice a week. Studies in Education, Hinsdale. Arkansas School Law.

7. *Teaching and Organization with Special Reference to Secondary Schools.*

Barnett's School Supervision; three times a week. Architecture, Sanitation and Hygiene; once a week.

8. *Modern Educational Development.*

European and American systems compared. Effects on modern civilization of the improved standards of Pedagogics. Comparative study of the school laws of the various states; three times a week.

On the completion of the full course in Pedagogics, students will be required to write a treatise on the Public School System of Arkansas. Defects of the school law and how remedied. Educational development in the State.

PHILOSOPHY.

PROFESSOR JORDAN.

The course offered in this Department consists of recitations, lectures, and free and full discussions by the members of the class. In connection with a careful examination of the views and opinions of leading thinkers, students are

encouraged to study their own mental phenomena and to subject to the test of individual consciousness the various theories which come under investigation. Due attention is given to the recognized contributions of modern Physiology to Psychology.

As introductory to this part of the subject, the Professor of Biology gives a course of lectures with accompanying laboratory work in Neurology, which all students whose course includes Pedagogy and Psychology are required to attend during a part of the second term in Sophomore Pedagogics, and Junior work for the University degrees.

PSYCHOLOGY.

1. Study, investigation, and discussion of the various mental phenomena as involved in the intellectual processes of Knowing, Feeling, and Willing. An examination of the various theories of consciousness, as set forth by European and American Philosophers. Text-books: Hill, Ladd's Outlines of Descriptive Psychology. Application of principles to Education. Three times a week.

2. *Logic.*

Text-book: Hyslop. Reference books: Mills, Bain, Hill's Jevons. Twice a week.

3. *Elements of Ethics.*

Comparative Ethics. The bearing on the moral standard of the theories of Evolution, Sociology, Biology, Economics, and Political Economy. Three times a week.

4. *History of Philosophy.*

An outline of the Ancient, Mediaeval and Modern theories. The history of European morals from Charlemagne to the present time. The development of Ethics in the progress and economics of the national life of the United States. Three times a week.

MECHANICAL ENGINEERING.

CHAS. E. HOUGHTON, Professor and Superintendent of Mechanic Arts.

MACK MARTIN, Machine Shop, Forge Shop, Assistant Superintendent of Mechanic Arts.

B. N. WILSON, Wood Shop, Foundry.

Two courses are offered, a four years' course leading to the degree of B. M. E., and a short course of two or three years, depending on the preparation of the student.

While the major part of a course in mechanical engineering necessarily consists of scientific and technical studies, the four years' course provides for instruction in English and the modern languages, and offers electives that may be taken in other than technical subjects.

Besides the mathematical and scientific studies which constitute the necessary preparation for the study of the engineering branches, instruction is given in mechanics, machine design, theory of steam and gas engines, etc. Special attention is given to the practical application of the truths and theories taught in the

classroom, a large part of the time being devoted to shop work, drawing, and laboratory practice.

Sufficient instruction is given in the theory and use of electrical machinery to enable the student to use it intelligently.

In the second term of the Senior year the student is offered an elective in the branch of mechanical engineering in which he wishes to specialize.

1. *Shop Work* Hours as assigned

(a) Woodworking. Principles of carpentry and joinery; exercises in wood turning.

(b) Founding. Green sand moulding. Melting and pouring brass and iron.

(c) Forging. Management of fire; drawing and welding; riveting and tempering; casehardening and annealing.

(d) Patternmaking. Practice in making patterns; care and use of woodworking machinery.

(e) Ironworking. Chipping, filing, turning, planing, drilling, grinding; erection of machinery.

(f) Advanced work in any of the above courses.

2. *Mechanical Drawing.*

Geometrical drawing; copying machine drawings; working drawing from machine parts; tracing; blue-printing. One year, four hours per week.

3. *Machine Design* 3

Kinematics of machinery; design of gear teeth, cams, link motions, etc. Two hours recitation per week; two hours drawing, first term. One hour's recitation; four hours' drawing per week, second term. Text-book: Machine Design, Smith.

4. *Mechanics and Hydraulics*.....4

Statics and dynamics; strength of materials; hydraulics. Four recitations per week for one year. Text-book: *Mechanics of Materials and Hydraulics*, Merriman.

4. (a) *Strength of Materials*.....3

An elementary course in the application of mechanics to the materials used in machine construction; the determination of stresses in machine parts. Text-book: *Strength of Materials*, Merriman. Three recitations per week for first term.

5. *Steam Machinery*.....3

Elementary thermodynamics; history of the steam engine; comparison of types of steam engines, boilers, pumps, etc., valve gears. Text-books: *Steam Engine*, Ewing; *Valve Gears*, Halsey. Three recitations per week, second term.

6. *Experimental Engineering*2

Calibration of engineering instruments, indicators, steam gauges, planimeters, nozzles, weirs, etc.; tests of the materials of construction in tension, torsion, compression, and bending; complete engine and boiler trials; special investigations. Text-book: *Experimental Engineering*, Carpenter. Four hours per week for one and one-half years; begins the second term.

7. *Steam and Gas Engines*.....6

Thermodynamics; theory and design of steam engines and boilers; theory of gas and oil engines; problems in engine and boiler design. Text-books: *The Steam Engine*, Ewing; *The Gas and Oil Engine*, Clerk. Three recitations and six hours' drawing per week, first term.

8. *Locomotive Mechanism*2

A study of locomotive boilers, cylinders, frames, etc.; valve setting; compound locomotives; air brakes, etc. Text-book: Catechism of the Locomotive, Forney. Two recitations per week, first term.

9. *Cotton Gins, Compresses and Oil Machinery*2

Lectures on the machinery now in use and discussion of improvements. Two hours per week, first term.

10. *Refrigerating Machinery*2

Comparison of the machinery used in the different systems; methods of ice making; cold storage. Two lectures per week, second term.

11. *Heating and Ventilating*.....2

Principles of Ventilation; the different systems of heating, by steam, hot water, and air; specifications. Text-book: Heating and Ventilation, Carpenter. Two hours per week, second term.

[Courses 10 and 11 will not both be given in the same year; they may be taken together as one two-hour course.]

12. *Hydraulic Machinery*.....2

A study of the design, construction, and operation of water wheels and pumping machinery. Two recitations per week, second term.

13. *Steam Engineering*4

Mechanical engineering of power plants; selection of machinery for the equipment of power stations; plans and specifications. One lecture, and six hours' drawing per week, second term.

14. *Machinery and Mill Work*.....4

Discussions of the different methods of distributing power in mill work; considerations controlling the design of the power plant; specifications. One hour

lecture, and six hours' drawing per week, second term.

15. *Railroad Engineering*.....4

Design and construction of locomotives; repairs for rolling stock; discussion of the problems relating to the mechanical engineering of railroads. One hour lecture, and six hours' drawing per week, second term.

The department reserves the right to withdraw any course not elected by four or more students.

COURSE IN MECHANICAL ENGINEERING
FOR DEGREE OF B. M. E.

FRESHMAN YEAR.		Hours per week
Mathematics 1 and 2		5
English 1		3
Physics 1		3
Mechanical Drawing, M. E., 2		2
Shop Work, M. E., 1 d, c		3
Total		16

SOPHOMORE YEAR.		
Mathematics 4 and 5		5
Chemistry 1		3
*Descriptive Geometry, C. E., 1.... }	}	2
†Electrical Measurements, E. E., 2. }		
Physics 2		3
Shop Work, M. E., 1 c		3
Total		16

JUNIOR YEAR.		
Mathematics 6		3
*Dynamo Electrical Machinery, E. E., 6. }	}	3
†Steam Machinery, M. E., 5		

* First term.

† Second term.

*Electrical Laboratory, E. E., 5	2
†Experimental Engineering, M. E., 6.	4
Hydraulics and Mechanics, M. E., 4	3
Machine Design, M. E., 3	2
Shop Work, M. E., 1b. and f.	17
Total	

SENIOR YEAR.

*Steam and Gas Engines, M. E., 7	6
†Refrigerating Machinery, M. E., 10, or	} 6
†Heating and Ventilating, M. E., 11, and	
†M. E. 13, 14, or 15	
*Locomotive Mechanism, M. E., 8, or	} 2
*Cotton Gins, Compresses, etc., M. E., 9.	
†Hydraulic Machinery, M. E., 12	
Experimental Engineering, M. E., 6	2
*Electrical Laboratory, E. E., 5	2
†Electrical Railroads, E. E., 10.	3
Modern Language	3
Elective	3
Thesis	
Total	18

MECHANIC ARTS COURSE.

This course is designed to meet the wants of two classes of students:

First. Those who are not able to spend the time required for the completion of the four years' course.

Second. Those who lack the necessary preparation for admission to collegiate classes, and do not wish to become candidates for a degree.

* First term.

† Second term.

Special attention is given to instruction in shop work and drawing, sufficient time being given to the former to enable a student to become familiar with all its branches, and acquire proficiency in some chosen one. The time spent in the drawingroom will enable the student to make and understand machine drawing.

In the last year the technical instruction is designed to give such an elementary knowledge of mechanics, machine design, and steam machinery, as will enable the student to use and care for machinery intelligently. No diploma is awarded, but a certificate of proficiency will be given on the completion of the course.

FIRST YEAR.	Hours per week
Mathematics, second year (preparatory).....	5
English, first or second year (preparatory).....	4
M. E., 1 Shop work	6
	<hr/> 15

SECOND YEAR.	
Mathematics 1 and 2.....	5
Physics 1	3
M. E., 2 Mechanical Drawing.....	2
M. E., 1 Shop Work.....	6
	<hr/> 16

THIRD YEAR.	First term	Second term
M. E., 3 Machine design	3	3
M. E., 5 Steam Machinery .....	..	3
M. E., 4a Strength of Materials	3	..
M. E., 1 Shop Work	6	6
E. E., 6 Electrical Machinery	3	..
E. E., 5 Electrical Laboratory	2	..

M. E., 6 Experimental Engineering	2
E. E., 1 Dynamo Management	2
	<hr/>
	16
	<hr/>
	16

CIVIL ENGINEERING.

J. J. KNOCH, Professor.

The design of this department is to furnish a course of theoretical instruction, accompanied by illustrations and as much of engineering practice as can well be taught in schools. This course will give the student a knowledge of the fundamental principles required to enter intelligently upon the various branches of engineering belonging to this profession.

The special technical studies, which are offered in this course, may be grouped under the heads of Surveying, Applied Mechanics, Road and Railroad Engineering, Hydraulic Engineering, Bridge Engineering, and Sanitary Engineering.

Instruction.—The work in Surveying extends over three years. It embraces land surveying, leveling and United States public land surveys during the Sophomore year; topography, railroad reconnoissance and location during the Junior year; triangulation and geodesy during the Senior year. Much time is devoted to practice in the field and drafting room, this work being carried on parallel with the classroom work. Each year a party of engineering students go

into camp one week for practice in surveying and locating railway lines.

1. *Descriptive Geometry*2
Recitation and practice, first term. Text-book: Church's Descriptive Geometry.
2. *Surveying*3
First, and part of second, term. Care, use, and adjustment of instruments; use of chain, tape, compass, transit, solar attachment, level, sextant, and plane table; land surveying, leveling, contouring, laws and instructions relating to surveys of the public domain. Text-book: Raymond's.
3. *Field Practice*.....2
Exercises in land, city, and topographical surveying.
4. *Highways*1
One hour per week, second term. The location, construction, and maintenance of common, Macadam, and Telford roads; brick, stone, wood, and asphalt pavements for city streets. Text-book: Spaulding's Roads, Streets and Pavements.
5. *Railroad Engineering*.....2
Two hours per week throughout the year. Preliminary surveys and location; transition curves, yards and turnouts; estimates of earthwork and material used in construction; the economics of railway location and management. Text-books: Searle's Field Engineering, and Crandall's Transition Curve and Earthwork Computations, first term; Wellington's Economic Theory of Railway Location, second term.
6. *Field Practice*.....2
Location of curves, turnouts, and Y's; measurement of embankments and cuts, and computation of volumes.

7. *Railroad Survey.*

One week, twelve hours per day. Actual field practice in reconnoissance, preliminary survey, and location.

8. *Drawing*2

Lettering titles for maps and drawings. Pen and colored topography.

8. (a) *Drawing*.....2

Lectures and practice two afternoons a week throughout the year. Shades, shadows, and perspective. Topographical and railroad maps from actual surveys.

9. *Masonry Construction*.....2

Two hours per week, first term. Use of lime and hydraulic cement mortars; stone and brick masonry foundations; foundations in soft materials on land and under water; cofferdams, cribs and caissons. Text-book: Baker's Masonry Construction.

10. *Roofs and Bridges*.....3

Four hours per week, first term; three hours, second term. Theory of computation of stresses by both analytical and graphic methods; full computations, designs, and bills of material for a roof truss and railroad bridge. Text-books: Merriman and Jacoby's Roofs and Bridges, Parts I and II.

11. *Sanitary Engineering*.....2

Two hours per week, first term. Calculation and special details of construction of sewers, separate and combined systems of sewerage; purification of sewerage; municipal and domestic sanitation. Text-book: Baumeister's Cleaning and Sewerage of Cities.

12. *Technical Drawing*.....2
Lectures and practice, four hours per week throughout the year. Right and oblique arches; masonry dams; structural details and working drawings for designs.
13. *Waterworks Engineering*.....2
Two hours per week, second term. Study of systems of water supply; collection, purification, and distribution of water; location of waterworks, with details of estimate of cost. Text-book: Fanning's Hydraulic and Water Supply Engineering.
14. *Engineering Laboratory*.....2
Two hours per week, first term. Test of strength and other properties of materials of construction; tensile and crushing tests of brick, stone, and cement; flow of water through pipes, elbows, valves, and measurement by means of weirs.
15. *Field Practice*.....2
Two hours per week, first and second terms. Topographical survey, triangulation, and leveling.

COURSE IN CIVIL ENGINEERING FOR DEGREE OF B. C. E.

FRESHMAN.	Hours per week
Mathematics 1, 2.....	5
Chemistry 1.....	3
English 1	3
C. E. 8, Lettering.....	2
M. E. 2, Mechanical Drawing	2
SOPHOMORE.	
Mathematics 4, 5.....	5
C. E. 2, 3, Surveying	3
English 2, or French or German 1	3

C. E. 1, Descriptive Geometry, first term	2
C. E. 4, Highway Construction, second term.....	1
Architectural Drawing, second term	1

JUNIOR.

Mathematics 6, Calculus	2
M. E. 4, Mechanics and Hydraulics	4
C. E. 5, Railroad Engineering	2
C. E. 6, Field Practice	2
C. E. 8a, Technical Drawing	2
M. E. 6, Experimental Engineering, second term	1
Geology 2, or Chemistry 13	4

SENIOR.

C. E. 15, Field Practice.....	2
C. E. 14, Engineering Laboratory, first term	2
C. E. 11, Sanitary Engineering, first term	2
C. E. 12, Technical Drawing	2
C. E. 13, Water Works Engineering, second term	2
C. E. 9, Masonry Construction, first term	2
C. E. 10, Roofs and Bridges.....	4 and 3
Geology 5, Blowpipe Analysis, second term	2
Elective	3
Thesis	

ELECTRICAL ENGINEERING.

W. N. GLADSON, Professor.

Two courses of instruction are offered. The four years' course is intended to afford a good general education, and at the same time to ground the student so thoroughly in the principles of Electrical Engineering as to furnish a good foundation for the profession.

Theoretical and applied electricity and the mechanics of engineering are naturally the leading subjects.

Theory is amply treated and tested by experiments in well equipped laboratories, thus affording the student a degree of facility in the use of instruments and machines, which is acquired only by continued practice. As a requisite for graduation, each candidate must present an acceptable thesis, embodying the results of special study. The subject of such study must lie within the field of Electrical Engineering. It must be announced not later than the beginning of the second term of the Senior year, and be approved by the Professor in charge. The completed thesis must be submitted not later than two weeks before commencement day, and one copy must be deposited in the Library as the property of the University.

The short course, of two years, is designed for students lacking time and preparation for the full course, and is intended especially for those students who have had some practical experience in engineering. The work is more elementary than in the long course, embracing only the necessary mathematics, which with physics, electrical engineering and laboratory work, gives the student sufficient theory, supplemented by practice, in the shortest possible time.

This course prepares students for practical work, such as superintending or managing lighting, power, or manufacturing plants. It does

not lead to a degree, but a suitable certificate will be given on completion of the work.

1. *Practical Management of Dynamos and Motors*2

Recitations. Second term, two hours a week. A practical treatise on installing, starting, testing, locating, and remedying faults in dynamos and motors. Text-book: Crocker & Wheeler's Practical Management of Dynamos and Motors.

2. *Electrical Measurements*.....2

Recitations and practice twice a week, first term. Text-book: Electrical Measurements by Carhart and Patterson.

3. *Technical Drawing*.....2

Lectures and practice two afternoons a week throughout the year. Working drawings of electrical apparatus; wiring plans designed by student.

4. *Technical Drawing*.....3

Lectures and practice six hours a week throughout the year; an extension of Course 3, and must be preceded by it. Drawings of circuit and machine, electrical calculations, and mechanical designs of electrical machinery; complete power plants designed by student.

5. *Electrical Laboratory*.....2

One afternoon a week throughout the year. An extended course in magnetic and electrical measurements; current, electro-motive force, and resistance; use and calibration of instruments, voltmeters, and potentiometers; exploration of magnetic fields; dynamo work begun.

6. *Electrical Laboratory*.....4
Two afternoons a week throughout the year. This is an extension of Course 5, and must be preceded by it. A full experimental course in operating and testing direct and alternate current machines; Photometry transmission, storage, and transformation of electric energy. Special courses given suited to the preparation and object of the student.
7. *Dynamo Electrical Machinery*.....3
Recitations. Three hours a week throughout the year. Confined chiefly to direct current apparatus, including types of motors, generators, and transformers; design, calculations, construction, testing, and operating. Text-book: Thompson's Dynamo Electric Machinery.
8. *Theory of Alternate Currents*.....2
Recitations twice a week, first term. Text-book: Steinmetz.
9. *Polyphase Electric Currents*.....2
Recitations and lectures twice a week, second term. Text-book: Thompson.
10. *Electric Railways*.....2
Recitations and lectures twice a week, second term.
11. *Telephony and Telegraphy*.....2
Lectures and recitations twice a week throughout the year. Text-book: Preece's Telephone.

COURSE IN ELECTRICAL ENGINEERING FOR THE DEGREE OF B. E. E.

FRESHMAN.		Hours per week
Mathematics 1, 2.....	5	
English 1	3	
Physics 1	3	

M. E. 2, Mechanical Drawing.....	2
M. E. 1 c, d Shop Work.....	3

SOPHOMORE.

Mathematics 4, 5.....	5
Physics 2	3
Chemistry 1	3
C. E. I. Descriptive Geometry and {	
E. E. 2 Electrical Measurements.. }	2
M. E. 1 e Shop Work.....	3

JUNIOR.

Mathematics 6	3
E. E. 7 Dynamo Electric Machinery.....	3
E. E. 5 Electrical Laboratory.....	2
E. E. 3 Technical Drawing.....	2
M. E. 4 Mechanics and Hydraulics.....	4
Chemistry 14 and..... }	
M. E. 5 Steam Machinery }	3

SENIOR.

E. E. 8 Alternate Current Theory and {	
E. E. 9 Polyphase Electric Currents.. }	2
E. E. 6 Electrical Laboratory..	4
E. E. 4 Technical Drawing.....	3
E. E. 11 Telephony and Telegraphy	2
M. E. 6 Mechanical Laboratory and {	
E. E. 10 Electric Railways	2
German 1 or {	
French 1 or. }	
Spanish 1... }	3
Elective	2

SHORT COURSE IN ELECTRICAL ENGINEERING.

FIRST YEAR.

Mathematics 1, 2	5
Physics 1	3
M. E. 2 Mechanical Drawing.....	2

M. E. 1c, d, Shop Work.....	3
Elective	3

SECOND YEAR.

E. E. 7 Dynamo Electric Machinery	3
E. E. 5 Electrical Laboratory.....	2
E. E. 3 Technical Drawing.....	2
E. E. 1 Management of Dynamos and Motors, second term	2
Physics 2	3
M. E. 1 e Iron Working... }	3
M. E. 4 Steam Machinery }	
Elective	3

DEPARTMENT OF AGRICULTURE.

C. L. NEWMAN, Professor.

DEPARTMENT OF HORTICULTURE.

ERNEST WALKER, Professor.

Upon the satisfactory completion of the regular course in Agriculture the degree of Bachelor of Scientific Agriculture, or Bachelor of Science is conferred. The course in Horticulture also leads to the degree of Bachelor of Science. A two years' course is provided in each department for those students who cannot remain to complete the regular course.

The full course in Agriculture and Horticulture is intended to afford a training as broad as any other course of study, and equal in educational value. Practical Agriculture is an art, and equally so is Horticulture, but in both cases

the art is based upon principles derived from a number of sciences. The course of instruction, therefore, aims throughout to give the student a grasp of these fundamental principles and at the same time furnish opportunity for observing their practical application to the extent of rendering him in large measure independent of mere arbitrary rules of practice. The student is encouraged to discover, plan, and execute for himself, and he is materially aided in such efforts by the knowledge both theoretical and practical derived from his daily association with specialists in the lines which he is pursuing.

Manual labor is required of students only for the purposes of instruction. While each student is expected to acquire a certain degree of manual dexterity and a knowledge of the best methods, and to learn the use and care of implements and machinery, it is not proposed to make a mere field laborer of him, but a director of field labor.

1. *Introduction.*

Definition of scope of subject; relation to science, history, etc.

(a) Soils.

Origin, classification, properties, relation to climate and crops; drainage; irrigation; hygiene and general management of soils; special management for special purposes.

(b) Farm Crops.

Farm manures and germ manuring; preparation and culture; food-plants, forage and hay plants, root crops, pastures; textile, oil and sugar plants; harvesting.

2. *(a) Farm Buildings, Machinery and Tools.*

Construction and management of stables, barns, dairies, silos, piggeries, sheepfolds, poultry houses; farm fences and roads. Management and utility of farm machinery and tools.

(b) Zootechny.

Breeds and breeding of horses, cattle, sheep, swine, goats, poultry, etc., and their specific and general management; aviculture; pisciculture; insecticides.

3. *Rural Economy.*

Farm rules and management; hired labor; farm accounts; markets and marketing; meteorology.

COURSE IN AGRICULTURE FOR THE DEGREE OF B. S.

FRESHMAN.

Mathematics 1	3
German 1	3
English 1	3
Chemistry 1	3
Botany 2 and 3.....	3

SOPHOMORE.

Mathematics 3	3
German 2	3
English 2	3
Physics 1	3
History or Economics.....	2
Agriculture 1	3

JUNIOR.

History or Economics.....	3
English 4	2
Chemistry, Agricultural	3
Bacteriology and Hygiene.....	2
Agriculture 2	2
Elective	5

SENIOR.

English 6	1
Philosophy	3
Horticulture 1	3
Agriculture 3	2
Elective	6

COURSE IN AGRICULTURE FOR THE DEGREE OF B. S. A.

FRESHMAN.

Mathematics 1	3
English 1	3
Chemistry 1	3
Botany	3
Shop Work	2
Drawing	1

SOPHOMORE.

Mathematics 3	3
English 2	3
Physics 1	3
History or Economics.....	2
Horticulture 1	3
Agriculture 1	3

JUNIOR.

English 4	2
Chemistry, Agricultural	3
Bacteriology and Hygiene.....	2
Biology	3
or Geology 1 or 2 .. }	

Agriculture 2	2
Elective	3

SENIOR.

English 6	1
Philosophy	3
Horticulture 2	2
General Entomology	3
Agriculture 3	2
Elective	5

HORTICULTURE.

1. *(a) Physiology of Plants.*

A study of the subject from the horticultural standpoint.

(b) The Principles of Plant Breeding.

Environment, variation, heredity, cross-pollination, selection, improved varieties, evolution of fruits and vegetables.

2. *(a) Horticultural Structures and Conveniences.*

Hot-beds, cold-frames, pits, greenhouses; materials, construction, greenhouse heating, ventilation, management, implements.

(b) Propagation of Plants.

The various methods by which plants are multiplied; spores, seed, cuttings, budding, grafting; transplanting.

(c) Vegetable Gardening.

Studies in the growing and forcing of the principal vegetables adapted to the State, for home use and market; with special attention to methods of marketing.

3. (a) *Fruit Culture.*

Orcharding, viticulture, small fruits, with reference to kinds and varieties best adapted to the State; cultivation, marketing, etc.

(b) *Vegetable Pathology.*

The commoner plant diseases and insect pests of trees and garden plants; spraying and other methods of control.

(c) *Decorative Gardening.*

Lawns, flowers, shrubs, trees adapted to the improvement of the home grounds, school grounds and park. Selection, propagation, arrangement, care.

(d) *Forestry.*

A study of the forest trees of the State, and forestry matters from an economic standpoint.

HORTICULTURE B'S.

FRESHMAN.

English 1	3
German 1	3
Chemistry 1	3
Mathematics 1	3
Botany 2 and 3.....	3

SOPHOMORE.

English 2	3
German 2	3
Physics 1	3
Mathematics 3	3
History or Economics.....	2
Horticulture 1	3

JUNIOR.

English 4	2
Chemistry, Agricultural	3
History or Economics	3

Agriculture 1	3
Horticulture 2	2
Elective	4

SENIOR.

English 6	1
Philosophy	3
Agriculture 2	2
Horticulture 3	2
Elective	8

MILITARY SCIENCE AND TACTICS.

Cadet Colonel J. L. HORNOR.

1. *Practical Work*.....3
Three hours per week. In school of the soldier, squad, platoon, company, and battalion, close and extended order; ceremonies of grand mounting, dress parade, inspection and review; camping, guard duty, target practice, laying out field works, and signaling. In this work the cadet officers act as instructors, thus putting into practice the knowledge gained in previous years.
2. *Recitations and Lectures*.....1
One hour per week. Infantry Drill Regulation (U. S. Army, Part 1). Manual Guard Duty (U. S. Army).
3. *Recitations and Lectures*.....1
One hour per week. Infantry Drill Regulation (U. S. Army, Part 2). Small Arms Firing Regulations (Blunt).
4. *Recitations and Lectures*.....1
One hour per week. Military Field Engineering (Beach). Military Signaling (United States Army Signal Code).

5. *Recitations and Lectures*.....1

One hour per week. Service of Security and Information (Wagner). Military Law (Winthrop).

MUSIC.

PIANOFORTE DEPARTMENT.

MR. AND MRS. E. L. BUSCH.

Grade I.

Clavierschule, H. Wohlfahrt Bellaks Method; Koehler Op., 204; Loeschhorn Op., 186; Gurlitt Op., 178; Reinecke Favorite Melodies, including finger exercises and Scales, Arpeggios, etc.

Grade II.

Clementi Op., 36; Kuhlau Op., 55; Doring Etudes; Lemoine Op., 37; Lichner Pieces; Gurlitt Album Leaves; Jadassohn Spring Flowers; Kullack Scenes from Childhood; Spindler Op., 93; Little Dances.

Grade III.

Duvernoy Op., 120; Doring Op., 8; Behrens Op., 79; Bertini Op., 100; Loeschhorn Op., 65; Bach Little Preludes; Easy Sonatas by Haydn, Mozart and Beethoven; Schumann Album Op., 68; Reinecke Op., 154; Gade Op., 36; Jensen Op., 33; Low Arranged Operatic Melodies.

Grade IV.

Behrens Op., 61, Books 3 and 4; Alois Schmitt Op., 16; Czerny Op., 299; Krause Op., 9; Bach Preludes; Beethoven, Haydn, Mozart Sonatas, Gade Op., 18; Mendelssohn Songs Without Words; Grieg Op., 3, Op. 17; Jensen Wanderbilder, Kirchner Album Leaves, Modern and Popular Music.

Grade V.

Cramer Studies, Czerny, Op., 740; Bach Well Tempered Clavichord, Steibelt 78; Weber Rondo in Eb.; Sonatas by Hummel, Scarlatti, Beethoven, Schumann Op., 32; Schubert Op., 94; Schumann, Chopin, Heller, Henselt, etc.

Grade VI.

Clementi Studies, Moscheles Op., 70; Beethoven, Liszt, Thalberg, Scharwenka, Taubert, Rubinstein, Moszkowski, Tschaiakowsky, Concertos, Ensemble Music, etc.

Pupils are not confined to any particular years or terms in passing from a lower to a higher grade.

VIOLIN AND ORCHESTRAL DEPARTMENT.

E. L. BUSCH, Director.

Grade I.

Maza Method; Schradieks Technical Exercises; Easy pieces, Scales and Arpeggios in the first position.

Grade II.

Mazas Method; Schradieks Exercises; Scales and Arpeggios in more difficult keys and introduction of the third position. Pieces and Studies within the first and third positions.

Grade III.

Mazas Etudes Op., 36; Dancla Compositions; Scales and Arpeggios introducing the fifth and seventh positions. Classic and Popular Music within these positions.

Grade IV.

Kreutzer Studies; Scales and Arpeggios through all positions. Sonatas, Haydn, Mozart, Beethoven. Viotti Duets; Classical and Popular Music.

Grade V.

Fiorillo and Rode Studies; Spohrs Duets. Concertos by Viotti Rode, Kreutzer and Spohr. Brilliant Duos with Piano, etc.

Grade VI.

Solo and Ensemble Music by the best Classic and Popular Composers. Modern Concertos and finishing department.

Harmony, Counterpoint and Composition taught according to Richter, Jadassohn, Oscar Paul and other authorities.

Pupils advanced from a lower to a higher grade without loss of time, and are not confined to any particular term or year.

VOICE CULTURE AND VOCAL MUSIC.

MISS GERTRUDE CRAWFORD.

True cultivation of the voice consists in the development of pure tone, and its easy, natural use and control in singing.

Attention is given to respiration as an art applicable to singing; position of mouth and tongue, and control of the face in singing; emission of voice on vowels; exercises for uniting the registers; practice on sustained tones in the entire range of the voice; exercises in agility and velocity; exercises in articulation of consonants and vowels; study of delivery and expression; the formation of good style, etc.

Garcia's Vocal Exercises, Concone, Bordogni, Marchesi, Panseron, and other technical works; songs of the English, Italian, French, and German Schools; church music; study of opera and oratorio.

TERMS.

18 weeks, two lessons per week, Pianoforte and

Voice Culture, each.....	\$22.50
Harmony in class.....	5.00
Use of pianoforte for practice, one hour daily.....	2.50

Tuition payable in advance.

No deduction will be made except in case of prolonged illness.

Instruction in Guitar and Mandolin playing given.

ART DEPARTMENT.

MRS. JENNY DELONY RICE, Director.

(Student of the "Beaux Arts for Women" and "Julien" Ateliers, Paris.)

Branches Taught.

Charcoal, crayon, pencil, pen and ink drawing, oil, water color and pastel, painting.

Special classes in industrial designing and illustrating, ornamental and decorative work.

The Art Club for study and quick sketching meets once a week, when lectures are delivered on Art History.

The full course covers four years, but students will be advanced individually, and no hindrance will be imposed upon those who can complete the course in less time.

COURSE OF STUDY.

First Year.

ELEMENTARY DRAWING—Light and Shade.

1. Construction of lines.
2. Drawing in outline from geometric solids.
3. Drawing in outline from casts.
4. Drawing in outline from still life.
5. Study in light and shade.
6. Perspective, theory and applied.

Second Year.

DRAWING AND PAINTING.

1. Still life groups from objects.
2. Landscapes from studies and nature.
3. Fruit, flowers and foliage from nature.
4. Perspective, lights and shadows.
5. Designs for wallpaper, carpets, etc.
6. Historic ornament, decoration.

Third Year.

PAINTING IN OIL, WATER COLORS AND PASTEL.

1. Heads from the cast, shaded.
2. Figures from the antique, shaded.
3. Still life studies in oil, water color or pastel.
4. Fruits and flowers from nature.
5. Landscape from nature and studies.
6. Original composition and design.

Fourth Year.

PORTRAITURE FROM LIFE, FIGURE AND LANDSCAPE PAINTING—BOOK ILLUSTRATION.

1. Portraits from life.
2. Animals, landscape, marine.
3. Interior decoration.
4. Composition, genre subjects.
5. Illustration of books, magazines, etc.
6. Practical and applied design.

TERMS.

- | | |
|----------------------------|---------|
| 1. Art alone per year..... | \$15.00 |
| Payable first term..... | 10.00 |
| Payable second term..... | 5.00 |

Those who pay the tuition fees for the course in Art have the privilege of taking one or more studies in any of the other courses, subject to the approval of the Professor concerned.

2. Students of the University having not less than eight recitation hours per week are not charged for instruction in the Art Department.

Pupils will consult Mrs. Rice with regard to the Department and materials needed.

ELOCUTION, ORATORY.

1. It is the aim of this department to give such a course of instruction and training as will lead to ease, naturalness and correctness in the expression of thought. To accomplish this, the special endowments of each student are to be carefully regarded.

2. The term "Expression" as now used comprehends the following subdivisions:

- (a) *Elocution, or Expression by Means of the Voice.*
- (b) *Oratory and Public Speaking.*
- (c) *Reading.*
- (d) *Pantomime or Gesture—Expression by Means of Body.*
- (e) *General Culture.*

Training in the following courses will be given:

The Teacher's Course.

Training for thorough understanding and mastery of vocal principles as applied to speaking (and reading).

Technical training for bodily responsiveness (gesture).

Special work for developing harmony between mind, body, and voice. (The ultimate aim, Poise of Being.)

Careful investigation of natural principles underlying true development of ease in expression.

Application of advanced methods in education in teaching expression.

Study of literature as related to expression.

The Public Reader's Course.

Training to develop plasticity of voice

Study of the principles of Nature and Art in their relation to Expression as an aid in awakening artistic instinct.

Study of literature in relation to expression.

Characterization and Dramatic work.

The relation of the speaker to the audience.

Oratory or Public Speaking.

Training the mind to keener appreciation of higher truths in all the relations of life.

Systematic and individual training of voice and body to develop ease and naturalness, and to stimulate universal sympathy.

Training for proper action of mind in speaking. Development of ease in speaking before an audience.

Work for ease in extemporaneous speaking.

Work to develop quickness and accuracy in debate.

All training in accord with nature's intention and to overcome mechanical expression.

General Culture Course.

Training for ease and grace of bearing.

Correctness and pleasantness in use of the voice.

Development of taste and artistic instinct.

Technical training for each course is arranged by steps to be mastered in order.

The mastery of each course comprehends the work of three years, beginning with students

advanced to the degree in regular University course.

Three certificates of proficiency are awarded :

General Culture.

Teachers.

Public Speakers.

The student completing the full course receives an artistic diploma.

PHYSICAL CULTURE.

It is a well known principle among educators that correct training is based upon co-ordinate development of body and mind.

The work in this department is to develop and strengthen the pupils normally.

Systematic and careful training is given according to individual needs. The course is adapted from—

Educational—German, Swedish, American.

Aesthetic—Delsarte.

The gymnasium is furnished with modern apparatus.

TEACHERS' NON-RESIDENT COURSES.

The University offers special opportunities to all teachers in Arkansas. It will admit them to its regular examinations for admission to the Freshman class, or will send the examination questions to county examiners, who will submit

them to teachers under the usual rules and return answers to the University. Teachers who pass the required entrance examinations may then matriculate and enter upon non-resident courses of study under the direction of the University Professors; and upon completion of one term's work in any branch, they will be examined upon said work and credited with it, if it comes up to the University standard.

After finishing three-fourths of the course for a bachelor's degree, such teacher-students may graduate by completing the course as regular resident students.

Non-resident study is pursued under disadvantages, and none but energetic and methodical persons, who are willing to practice much self-denial, can succeed in such work. Such courses of study are in many respects less thorough than study under regular instruction at the University. Yet thousands of persons who cannot attend college regularly are thus educating themselves; and the self-reliant habits of study and investigation acquired by successful work of this kind are of untold value.

Teachers accepting this offer must obtain not less than two credits (two subjects passed for one term, or one subject for two terms), each year; else their names will be dropped from the rolls. Teachers whose vacation occurs during the session of the University may supplement

their non-resident study by attending the regular classes.

COURSE IN MUSIC, ART AND ORATORY.

The following course has been provided for such students as do not desire to pursue a regular course leading to a degree, but who wish to prosecute the study of Music, Art or Elocution, together with certain studies in Language and History.

FIRST YEAR.

	Hours.
Music, Art or Oratory.....	6
English 1	3
History 1 and 4.....	3
Ancient or Modern Language.....	3

SECOND YEAR.

Music, Art or Oratory.....	6
English 2	3
History 2	3
Ancient or Modern Language.....	3

THIRD YEAR.

Music, Art or Oratory.....	6
English 3 or 4 and 7.....	3
History 3 and 5.....	3
Elocution	3

1. As a prerequisite for admission to the above course the student must complete all the work in one of the courses in the Preparatory Department or its equivalent, as attested by an examination or diploma from an accredited school.

2. A certificate will be awarded each student who completes the course, but this certificate shall not confer

on the owner any of the privileges of alumni or alumnae of the University.

Should a student pursuing this course desire to change to a regular course leading to a degree, credit will be given for the studies completed in the above course, except Music, Art and Oratory.

Preparatory School.

INSTRUCTORS.

W. A. CRAWFORD, Principal, Mathematics.
G. A. COLE, Mathematics, Physiology and Bookkeeping.
MRS. E. W. COLE, History and Mathematics.
MARY A. DAVIS, English and History.
LINA REED, English and Latin.
CENER B. HOLCOMB, Latin.
SUSIE H. SPENCER, History and Mathematics.
ROZE E. BENNETT, Mathematics.
MACK MARTIN, Machinist Work and Forging.
B. N. WILSON, Woodwork and Foundry.
GERTRUDE S. CRAWFORD, Vocal Music.
E. L. BUSCH, Musical Director.
ELIZABETH BUSCH, Piano.

The collegiate teachers of the University assist in the Preparatory School whenever needed and it is practicable for them to do so. During the past year the following officers have rendered assistance: W. B. Bentley, Chemistry; S. J. McLean, Civil Government; Junius Jordan, Elementary Pedagogy and School Management; Clara Earle, English; A. F. Lewis, History.

The Preparatory School is intended, first, to prepare students for any of the courses of study taught in the University; second, to furnish to those who cannot take a more extended course, as good a general education as the limited time

will permit; third, to prepare teachers for the public grammar schools of the State. To secure these ends, four courses of study are offered, viz: Arts (A), Engineering (E), Science (S), and Teaching (T).

The course in Pedagogy, School Management and Methods has been arranged for students of mature age who cannot take a full course at the University, and who wish to qualify themselves for the work of teaching in the common schools. It is supplemented by practical lectures, illustrative work in primary classes, and a thorough investigation and discussion of all the methods involved in the ungraded schools.

REQUIREMENTS FOR ADMISSION.

1. *Arithmetic*.—Students are examined in the whole of the Grammar School Arithmetic, and an accurate knowledge of all this is rigidly required. Teachers preparing pupils for admission should require them to learn principles and definitions accurately, and to analyze every example capable of analysis, and should give them thorough drill in mental arithmetic.

NOTE.—Candidates for second year, general course, will be examined in Arithmetic, Algebra to fractional equations, Maxwell's Advanced Grammar, History of the United States, Descriptive Geography, Latin (Collar and Daniell), and two books of Plane Geometry.

Scientific and Engineering students are not examined in Latin, but in Physical Geography and in Bookkeeping instead. Students entering after the session has begun will be examined also in the work passed over by their classes.

Students who hold first grade teacher's certificates and who have had experience in teaching will be admitted to the second year class without examination. Other grades of certificates will be recognized to a certain extent in classifying students.

2. *English Grammar*.—Maxwell's *Elementary Grammar*.

3. *Geography*.—The whole of some complete manual of *Geography*.

4. *Reading, Spelling and Writing*.—Proficiency in these subjects is tested by the examination in *Grammar*.

ORDER OF EXAMINATIONS FOR ADMISSION.

Wednesday, September 19.—9 a. m., registration of students; 1-4 p. m., *Algebra and Physiology*.

Thursday, September 20.—9-12 m., *Arithmetic*; 1-4 p. m., *Geography*.

Friday, September 21.—9-11 a. m., *English Grammar*; 11-12 m., *English Composition*; 1-4 p. m., *United States History, General History*.

DETAILED WORK OF COURSES.

FIRST YEAR.

Mathematics, 5.—Milne's *Standard Arithmetic*, reviewed; Milne's *Elementary Algebra*, completed; Beman and Smith's *Plane Geometry*, two books.

English, 4.—Maxwell's *Advanced Grammar*; Lamb's *Tales from Shakespeare*; four original essays per term, corrected and copied; Guerber's *Myths of Greece and Rome*.

Parallel Reading.—Longfellow, *Courtship of Miles Standish*; Cooper, *Last of the Mohicans*; O'Hara, *Bivouac of the Dead*; Whittier; Hawthorne; C. D. Warner; *Readings from Washington's Rules of Conduct*; and selections from Irving and Pike; lives of the above authors.

Latin, 4.—Collar and Daniell's *First Lessons in Latin*.

History, 3.—Shinn's *United States History* and Shinn's *History of Arkansas*.

Geography, 3.—Redway and Hinman's Natural Advanced Geography.

Bookkeeping, 1.—Messervey's Bookkeeping.

Woodworking, 4.—Principles of carpentry and joinery; wood turning; pattern making; cabinet work. Sickel's Exercises in Woodworking.

Freehand Drawing, 2.—Practice work; outline drawing from models and machine parts; plans, elevations, sections, dimensions, etc.

SECOND YEAR.

Mathematics, 5.—Milne's High School Algebra, completed; Beman and Smith's Plane Geometry, completed.

English, 4.—Raub's Rhetoric; five essays per term, corrected and copied; Burke, Conciliation with America; Macaulay, Essays on Milton and Addison; Shakespeare, Macbeth; Milton's *L'Allegro*, *Il Penseroso*, *Comus* and *Lycidas*.

Parallel Reading.—George Eliot's *Silas Marner*; Scott, *Ivanhoe*; Shakespeare, *Merchant of Venice*; Southey, *Life of Nelson*; Pope's *Homer's Iliad*, Books I, VI, XXII, and XXIV; Coleridge, *The Rime of the Ancient Mariner*; Tennyson, *The Princess*; Addison, *De Coverley Papers*; Goldsmith, *Vicar of Wakefield*; lives of the above authors.

Latin, 4.—Four books of Caesar, or an equivalent; Bennett's Grammar and Exercise Book.

History, 3.—Barnes's General History.

Physiology, 2.—Martin's Human Body.

Physics, 2.—Text to be selected; lectures and written work.

Pedagogy, 3.—Roark's Pedagogy, Gow's *Morals and Manners*, *Life of Pestalozzi*, *School Interests and Duties*, by King, and *Arkansas School Law*.

Civil Government, 2.—McLeary's *Civil Government*, *Arkansas and The Nation*, and Johnson's *History of American Politics*.

Nature Study, 2.—This course consists of studies in general elementary natural science, or the science in the common things around us. It is intended to stimulate an interest in nature; to cultivate the power and habit of observation, and to help the student to correlate and correctly interpret what he sees.

Founding, 2.—Molding; melting and pouring brass and iron; management of cupola. Bollard's Iron Founding; lectures and practice.

Forging, 2.—Management of fire; drawing; welding; riveting; tempering. Lectures and practice.

NOTE.—In the above courses the figure after each subject indicates the number of hours per week.

SUBJECTS AND COURSES.

FIRST YEAR.

Subjects	Hours per week	Courses Required			
		A	E	S	T
Arithmetic.....	1½	A	E	S	T
Algebra	2	A	E	S	T
Geometry	1½	A	E	S	T
Grammar	4	A	E	S	T
U. S. History	3	A	E	S	T
Latin	4	A			T
Geography.....	3			S	T
Bookkeeping.....	1		E	S	T
Drawing.....	1		E		
Shop.....	2		E		

SECOND YEAR.

Subjects	Hours per week	Courses Required			
		A	E	S	T
Algebra	3	A	E	S	T
Geometry	2	A	E	S	T
Rhetoric	4	A	E	S	T
General History	3	A	E	S	T
Physiology	2	A	E	S	T
Physics or Nature Study	2			S	
Latin	4	A			T
Civil Government.....	2		E	S	T
Shop.....	2		E		

NOTE—In this table: A, Arts; E, Engineering; S, Scientific; T, Teachers.

Special courses of study are not allowed in the Preparatory School, but students known to be in poor health or having physical defects which inter-

fere with their studies, are sometimes permitted by the Faculty to defer one or more subjects of study and extend the course over a longer period.

Students who have at any time been enrolled in the Preparatory School, must complete thirty-four hours of work before dropping preparatory studies; and studies in lower classes have precedence over higher ones. A student in the Preparatory School is a member of the highest class with which he has as many as nine recitations per week.

The Medical School.

LITTLE ROCK, ARK.

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LOUIS R. STARK, M. D.,

Professor of Gynecology.

E. R. DIBREL, M. D.

Professor of Physiology.

FRANK VINSONHALER, M. D.,

Professor of Ophthalmology and Otology.

THOMAS N. ROBERTSON, A. B., LL. B.,

Professor of Medical Chemistry and Toxicology.

W. H. MILLER, M. D.,

Professor of Obstetrics.

F. L. FRENCH, M. D.,

Professor of Materia Medica, Therapeutics, Hygiene
and Botany.

E. E. MOSS, A. M., LL. B.,

Professor of Legal Medicine.

CARLE E. BENTLEY, M. D.,

Professor of Clinical Surgery and Dermatology.

ANDERSON WATKINS, M. D.,

Assistant Demonstrator of Anatomy.

WILLIAM A. SNODGRASS, M. D.,

Assistant to Chair of Anatomy.

JAMES H. LENOW, M. D.,

Secretary of the Faculty,

Little Rock, Arkansas.

BOARD OF VISITORS FROM ARKANSAS MEDICAL SOCIETY.

1899-1900.

DR. E. MEEK, Little Rock.

DR. D. C. WALT, Wabbaseka.

DR. OSCAR BURROW, Morrilton.

DR. J. C. WALLIS, Arkadelphia.

DR. K. A. McINTOSH, Beebe.

TWENTY-SECOND ANNUAL
ANNOUNCEMENT

OF THE

UNIVERSITY OF ARKANSAS MEDICAL SCHOOL.

The Regular Winter Course of lectures will begin on Thursday, October 12, 1899, and continue six months.

Lectures will be delivered daily during the six days of each week.

The matriculation book will be opened from and after September 1st to students desiring to matriculate early and secure choice of seats.

In making this annual announcement the Faculty feel great satisfaction in referring to the continued success and prosperity of the Medical Department. The cordial indorsement of the Arkansas Medical Society and the generous influence of the medical profession throughout the State are highly appreciated and encourage the Faculty to continue the arduous labors they have so long and zealously maintained.

FOUR YEARS' GRADED COURSE.

First Year.—Anatomy, Practical Anatomy, Physiology, Chemistry, Physics, Histology, and Medical Ethics.

Second Year.—Anatomy, Practical Anatomy, Physiology, Chemistry, Materia Medica, Pathology, Obstetrics.

Third Year.—Materia Medica and Therapeutics, Toxicology, Obstetrics and Diseases of Children, Physical Diagnosis, Diseases of the Eye and Ear, Practice of Medicine, Surgery.

Fourth Year.—Review of all branches, Practice of Medicine, Surgery, Dermatology, Gynecology, Bacteriology, Urinology, Venereal Diseases, Diseases of the Nervous System, Medical Jurisprudence.

MATRICULATION.

As required by the rules and regulations of the "Association of American Medical Colleges," students on matriculating are required to present credentials showing that they are matriculates or graduates of recognized colleges of literature, science or arts, of high schools, academies, normal schools, or equivalent schools, or that they have teachers' certificates.

Graduates and matriculates in Medicine, Dentistry or Pharmacy, on presenting credentials showing such, are exempt from the entrance examination.

To avoid delay, students entitled to matriculate *without* examination are requested to bring their certificates with them and present them on arrival at the college.

Students not entitled to exemption, as hereinbefore provided, are required to pass an entrance examination, with the following require-

ments: the writing of an English composition of not less than 200 words; the translation of easy Latin prose; a knowledge of the elements of Arithmetic or Algebra, and of elementary Physics.

LOCATION.

The City of Little Rock is conveniently situated in the center of the State, and railroads enter from every direction, making it easily accessible.

It has a population of more than 40,000, and has always been classed as one of the most healthful cities west of the Mississippi River. Few places can boast of better public schools, colleges and universities than Little Rock. All the eleemosynary institutions of the State are located here. These are the School for the Blind, Deaf Mute Institute, and the Insane Asylum.

MEDICAL SCHOOL BUILDING.

The new structure is an imposing edifice, three stories in height, constructed of brick and admirably arranged for the convenience of both students and instructors.

It has a large lecture hall, a fine amphitheater with chairs, a library, a reading room, a museum, several dissecting rooms, all well lighted and ventilated. In fact, it is designed to be a modern and model medical college building. It is situated on Second and Sherman streets.

HOSPITALS.

The Logan H. Roots Memorial Hospital.—By the munificence of the late Col. Logan H. Roots and the benevolence of his widow, the City of Little Rock is to have an elegant public hospital.

The commodious building is now completed.

The Medical Department of the University is fortunate in having this hospital situated on lots adjoining their own building, thus promising greatly increased clinical facilities.

The Little Rock Infirmary, designed solely for the treatment of acute diseases, has a capacity of fifty beds. This hospital is splendidly equipped and furnished with modern conveniences and improvements, is in the very best sanitary condition, and under the supervision and management of trained nurses, Sisters of Charity. The management of this institution has now in process of construction entirely new buildings conveniently situated, and when completed will be the finest and best equipped institution of the kind in the Southwest. The hospital will be much enlarged, and will be up to date in every respect.

The Pulaski County Hospital, erected at a cost of some \$30,000, is a handsome brick structure, well arranged, complete in all its equipments, and has a capacity of 200 beds.

Accidents from railways, marine patients, and the sick and injured from the city, county and State, find in these hospitals shelter, food, raiment, and that Christian attention so cheering and comforting in sickness and distress.

The inmates of these different institutions embrace all classes and conditions of people—white, colored, male, female, adults and children—and with them are found almost every form of malady except quarantinable diseases, which are otherwise provided for.

“THE ISAAC FOLSOM CLINIC.”

This clinic is thus designated in honor of the late Dr. Folsom, and in consideration of his liberal endowment of \$20,000.

The daily instruction in this clinic is thoroughly practical, and is attended by a large number of outdoor patients from the city and surrounding country. It embraces a wide range of diseases and injuries. More than 6,000 patients attended this clinic last year.

METHODS OF TEACHING.

Instruction will be given by didactic and clinical lectures, practical work in the dissecting room, chemical and physiological laboratories, and by daily quizzes upon the subject of preceding lectures.

When the subject will admit of it, each branch will be so illustrated by means of diagrams, charts, models and instruments, as to address the understanding of the student through the medium of sight as well as hearing.

EXPENSES OF LIVING, ETC.

The expenses of living in the City of Little Rock will, of course, vary according to the views and habits of students. Good board, at the present time, including lodging, fuel and lights, may be had at a convenient distance from the College, at from \$4 to \$6 per week, and from \$13 to \$18 per month.

Students on their arrival are requested to visit the University building, corner Second and Sherman streets, where a list of parties desiring to board medical students will be found.

Persons desiring further information are requested to address the Secretary of the Faculty.

TERMS.

The fee for a full course of lectures will be :

General Ticket	\$50.00
Matriculation Ticket (paid but once).....	5.00
Demonstrator's Ticket (for each course).....	5.00
Hospital Ticket (each course).....	3.00
Graduation Fee	25.00

No variation is made, under any circumstances, from the established fees of the College, they having been placed originally at the very

lowest figure commensurate with the interests of both student and College.

For more specific information and catalogue apply to

JAS. H. LENOW, M. D.,

Secretary of Medical Faculty,

Little Rock, Ark.

NOTE.—Alumni are requested to inform the Secretary of their present post office address, and of any change of location, in order that they may have the annual catalogue forwarded them regularly.

Law Department.

LITTLE ROCK, ARK.

Opens Third Monday in September.
Closes First Friday in June.

JOHN L. BUCHANAN, LL. D.,
Chancellor.

JOHN FLETCHER, LL. M.,
Dean.

J. H. CARMICHAEL, LL. B.,
Vice-Dean.

THOMAS N. ROBERTSON, LL. B.,
Secretary.

FACULTY.

INSTRUCTORS.

JOHN FLETCHER, LL. M., DEAN,
Real Property.

J. H. CARMICHAEL, LL. B., VICE-DEAN,
Law of Contracts and Pleading.

WILBUR F. HILL, LL. B.,
Equity Jurisprudence.

JACOB TRIEBER, LL. B.,
Law of Corporations.

GEORGE W. MURPHY, LL. B.,
Law of Evidence.

TOM M. MEHAFFY, LL. B.,
Criminal Law, Practice and Procedure.

CHARLES T. COLEMAN, LL. B.,
Judgments.

JAMES F. LOUGHBOROUGH, LL. B.,
Commercial Paper.

LEWIS RHOTON, LL. B.,
Torts.

DEADRICK H. CANTRELL, LL. B.,
Domestic Relations.

LECTURERS.

EX-CHIEF JUSTICE STERLING R. COCKRILL, LL. B.,
Private and Public International Law.

MORRIS M. COHN, LL. B.,
Constitutional Limitations.

GEORGE B. ROSE, LL. B.,
Federal Practice.

JAMES H. HARROD, LL. B.,
Bankruptcy.

W. E. ATKINSON, LL. B.,
Partnerships.

JOSEPHUS C. MARSHALL, LL. B.,
Insurance.

EDWARD W. WINFIELD, LL. B.,
Bailments.

THOMAS M. SEWAL, LL. B.,
Frauds and Fraudulent Conveyances.

HENRY M. ARMISTEAD, LL. B.,
Agency.

COURSE OF INSTRUCTION.

The Law Course embraces two years divided into four terms. Fall term will commence October 1 and close January 31. Spring term will commence February 1 and close June 1.

The design of this school is to afford such training in the fundamental principles of the law as will constitute the best preparation for the practice of the profession anywhere in the United States, and especially in the State of Arkansas. With this view the course of study, which is intended to occupy the student two years, will comprise the following subjects:

JUNIOR YEAR.

First Term.—Contracts, Agency, Partnership, Commercial Paper, Evidence.

Second Term.—Criminal Law, Pleading, Insurance, Domestic Relations.

SENIOR YEAR.

First Term.—Private and Municipal Corporations, Constitutional Limitations, Equity, Torts.

Second Term.—Real Property, Judgments, Bailments, Private and Public International Law, Fraud and Fraudulent Conveyances, Bankruptcy, Federal Practice.

LIST OF TEXT BOOKS.

Tiedeman on Real Property. Greenleaf on Evidence. Bispham's Principles of Equity. Bishop's New Criminal Law. Anson on Contracts. Mechem on Agency. Mechem's Elements of Partnerships. Daniel on Negotiable Instruments. Cook on Stock and Stockholders. Lawson on Bailments. Hale on Torts. Freeman on Judgments. Schouler on Domestic Relations. Phillips on Pleading. Cooley on Constitutional Limitations. Wharton on Conflict of Laws. May on Insurance. Brandenburg on Bankruptcy. Federal Practice—Lectures.

MOOT COURTS.

Moot Courts begin with the last term of the Junior Year and continue throughout the course, and shall be termed the judicial department of the school, and shall embrace all the courts—Justice, Probate, Circuit and Supreme—all modeled according to the constitutional requirements of our State.

Supreme Court:

Chief Justice, - - Chas. T. Coleman;
Associate Justices, - - T. M. Seawel,
- - Ashley Cockrill.

The Supreme Court shall consist of three judges, a Chief Justice and two associates.

Circuit Court.—The Circuit shall consist of one Judge, a Clerk and a Sheriff, to be elected by the students.

County and Probate Court shall consist of one Judge, a Sheriff and a Clerk, to be elected by the students.

Justice of the Peace Court shall consist of a member of the Senior Class, who shall be elected by the student body.

These courts shall be under the immediate supervision of the Vice Dean, who will be assisted by the members of the Faculty in compiling statements of facts embracing principles of law pertaining to the respective branches under their instruction, for the use of said courts.

GOAR LYCEUM.

This society is composed of the students of both the Junior and Senior years, and meets regularly every Thursday night during the session. The exercises shall consist chiefly of theses and debates embracing subjects legal in their nature. The performance of these exercises are insisted upon by the Faculty, for such practice affords to the student that invaluable aid to learning, "to think whilst on his feet," besides giving him an easy manner of address in public speaking.

EXAMINATIONS.

Written examinations are held each term in the presence of a member of the Faculty, upon questions handed the student at the time, and on the merit of their papers students will be graded.

DEGREES.

The degree of Bachelor of Laws will be conferred upon all students who have passed an examination on each of the subjects embraced in the course, and have attained the average standard grade of proficiency.

CLASS HONORS.

Honorable competition is the life of all enterprises; therefore we confer the following evidences of distinction: Upon the student attaining the highest average grade, shall be conferred the distinction of first honor man of his class; the one attaining the next highest, the second honor man; and the one making the next highest, the third honor man.

The Faculty authorize the selection of three orators to deliver orations at the commencement exercises, as follows: The Senior Class, one; the Junior Class, one; and the Goar Lyceum, one.

PRIZES.

The following prizes will be offered:

Faculty Prize—Daniel on negotiable Instr. (2 Vol.)—This prize will be awarded to the stu-

dent in the Senior Class who shall file the best brief in the Supreme (moot) Court.

Callahan & Co. Prize—Callahan & Co., law book publishers of Chicago, offer the following prize to the student receiving highest average in graduating class for 1899 and 1900: A set of American Criminal Reports, Vols. 1-10, inclusive.

The Edward Thompson Company Law Encyclopædia Prize (established by the Edward Thompson Company, law publishers, Northport, Long Island, New York), is conferred annually upon the graduate who shall write the best thesis upon some legal subject. "The student entitled to this prize has the choice of a set of one of the following publications of the Edward Thompson Company, namely: American and English Encyclopædia of Law, first edition, American and English Encyclopædia of Law, second edition, and the Encyclopædia of Pleading and Practice. The first edition of the American and English Encyclopædia of Law is complete, and consists of thirty-one volumes. The second edition when complete will consist of thirty-two volumes, the first eleven of which are now published. The Encyclopædia of Pleading and Practice when complete will consist of twenty-two or twenty-three volumes, of which the first fifteen volumes are now published. Subsequent volumes of the two last mentioned

will be published at the rate of about three or four a year."

PROFESSIONAL ETHICS.

While endeavoring to impart legal knowledge, the fact will not be lost sight of that high moral standing is a most important requisite to a successful and honorable career, and no pains will be spared in impressing this fact upon students and inculcating a high tone of professional ethics.

EXPENSES.

Tuition, \$50 per session, payable \$10 in advance, and \$5 per month thereafter during the session. Students taking both the junior and senior courses in a single year, tuition \$100 per session, \$20 in advance and \$10 per month thereafter. Books will cost from \$20 to \$30 per year. Board from \$15 to \$20 per month; by the club system, where the students do their own work, from \$6 to \$10 per month.

All communications by way of inquiry or information should be directed to the Secretary.

THOMAS N. ROBERTSON,
Little Rock, Ark.

Branch Normal College.

PINE BLUFF, ARKANSAS.

FACULTY.

NORMAL DEPARTMENT.

J. C. CORBIN, A. M., PH. D.,
Principal.

J. C. SMITH, A. B.,
First Assistant.

T. G. CHILDRESS, L. I.,
Second Assistant.

ANNA C. FREEMAN, L. I.,
Third Assistant.

LOUISA M. CORBIN,
Fourth Assistant.

MECHANICAL DEPARTMENT.

C. F. HOUGHTON, A. B., M. M. E.,
Superintendent.

W. S. HARRIS,
Assistant Superintendent.

E. K. BRALY, B. M. E.,
Machine and Blacksmith Shops.

LORENZO ELLIS,
Engineer.

GENERAL STATEMENT.

The Branch Normal College is a department
of the University of Arkansas, established pursu-

ant to an act of the General Assembly of the State of Arkansas, approved April 25, 1873, and has been in operation since September 27, 1875. Its primary object is the training of teachers for efficient service in the colored public schools of the State—the law referred to having been enacted with special reference to the “convenience of the poorer classes.” For the purpose of carrying out the intent of the law, tuition is made free to all appointees, the only requirements for admission being suitable age and qualification, and appointment from one of the county judges, and the payment of the entrance fee of \$5. Other students pay, in addition to the above, \$1 per month in advance.

LOCATION, ETC.

The school property consists of a beautiful tract of 20 acres of ground, in the suburbs of Pine Bluff, Jefferson County, Arkansas, and a few rods from the junction of the Missouri Pacific and the St. Louis and Southwestern railroads. The school building, completed in 1881, and occupied January 30, 1882, is one of the handsomest educational edifices in the State, as well as one of the best, being steam heated, electric lighted and well ventilated. It contains one large assembly room, four recitation rooms, and cloak room for males and females. The building is of brick, with slate roof and trimmings of Alabama granite, and cost, with improvements and

furniture, \$12,000. The furniture and other equipments are of the best modern style.

The dormitory, a handsome brick building of seventeen rooms, and the Mechanical Department building, are upon the same grounds.

The Normal course of study is intended to be a full equivalent to a regular college course up to and including the Sophomore year, the only difference being the substitution of Pedagogy for Greek and the higher mathematical branches. The college course adds to this the usual studies of the last two years. Fifteen classes have graduated from the institution, and the members are now occupying prominent positions in life. The number of students for the year 1897-'98 was nearly 200.

THE LIBRARY.

The library consists of over 3,500 volumes, embracing many valuable reference books, such as Appleton's Cyclopædia, Lippincott's Gazetteer, Century Dictionary, etc. It also has a fine collection of the works of standard authors—Shakespeare, Milton, Irving, Cooper, Dickens, Longfellow, Carlyle, Tennyson. The library of the Principal, embracing many valuable text and reference books, including the Encyclopædia Britannica, is also accessible to students. A small collection of minerals, each of which is a typical specimen, and none of which are dupli-

icates, has been procured. During the past year a valuable supply of apparatus has been added to the educational resources of the institution, consisting of an air pump, electrical machine, standard barometer, batteries, French microscope, X-Ray apparatus, spectroscope, sets of weights and measures, common and metric, etc. The outfit of the Mechanical Department is not surpassed, if equalled in quality, by any in the State.

The Reading Room has been fitted up in elegant style and supplied with a quite a number of valuable newspapers and periodicals, many of which are furnished by their publishers. Among those on file are the *Freeman*, Indianapolis; *Western Appeal*, Minneapolis; *Gazette*, Huntsville; *The Gazette*, Little Rock; *Globe-Democrat* and *Republic*, Saint Louis; *The Tyler*, Detroit, Mich.; *Popular Educator*, Boston; *Lippincott's Educational Quarterly*, *American Student*, New York; *Weekly Echo*, Pine Bluff; *National Baptist*, Philadelphia; *Southern Review*, Helena; *American Machinist*, *Scientific American*, *Popular Educator*, *Nation*; the scientific publications of the State of Arkansas and of the United States, etc.

GROUNDS, BUILDINGS AND EQUIPMENT.

Campus, twenty acres; college building (brick), six rooms; brick dormitory for girls, twenty rooms; shop building (brick), six rooms;

iron-clad storage building, one room; laundry, one room; machinery, value \$5,000; library, 3,500 volumes; physical apparatus, \$1,500; sewing machines, typewriters, equipment in art needlework department, \$500; range and cooking outfit, \$300; musical instruments, piano, organs, violoncello, mandolin, flute, guitar, \$1,000.

DORMITORY FOR GIRLS AND BOARDING HOUSE.

The dormitory for female students is under the supervision of the Principal and his wife. It is a handsome brick structure, sufficient for the accommodation of thirty or forty students. Board bills are payable monthly in advance, and no deduction is made for loss of time less than one week. Girls staying in the dormitory are required to keep their own rooms and the halls clean, and to assist in turn in the dining room and kitchen. They are expected to furnish their own bed linen, and are held responsible for all damage to furniture in their rooms. They are not to visit each other's rooms, except by invitation from the occupant, and two are expected to occupy one room. They are not allowed to change rooms, nor to visit in town except by permission. The charge for board, fuel and light thus far has been \$8 per month, in advance, and if possible, that price will be continued. Girls who wish to board elsewhere must obtain permission from the principal.

DOMESTIC TRAINING, PLAIN NEEDLE-WORK AND ART
NEEDLE-WORK.

The female students of the institution have daily training in housekeeping, plain sewing and art needlework. This department is under the superintendence of Miss Louisa M. Corbin, a graduate of Ann Arbor, Mich. The department is equipped with a sufficient number of Wheeler & Wilson and Singer Sewing Machines and a liberal supply of all necessary accessories. Already the success of the department has been very decided, and it has had many specimens of fine work on exhibition. These students also receive daily instruction in typewriting from Professor T. G. Childress.

MECHANICAL DEPARTMENT.

The operations of this department are under the superintendence of Professor C. F. Houghton, Superintendent of Mechanic Arts at Fayetteville, assisted by Professor W. S. Harris, a graduate of the Miller Manual Labor School of Virginia, and Professor E. K. Braly, a graduate of the University of Arkansas.

The shop building was completed in February, 1892. It is of brick and covers a plat of ground 70 by 70, comprising a wood shop 35 by 35, a foundry 25 by 25, a blacksmith shop 25 by 25, and a machine shop 35 by 25; a boiler room 20 by 25 and a court 35 by 20 occupying the remaining space.

Wood Shop.—Twelve benches, with complete set of tools for each, a double circular sawing machine, scroll-saw, band-saw, shaper, carving machine, buzz-planer, pattern lathe, six turning lathes, and many necessary small tools make up the equipment in this department.

Forge Shop.—Twelve Buffalo forges are in position, the blast being supplied by a blower, and the smoke drawn off by a large exhaust fan. Besides the usual outfit of anvils, hammers, tongs, etc., there is a Buffalo punch shear and bar cutter capable of cutting off 1-inch bar iron, $\frac{1}{2}$ by 3-inch strap iron, or of punching a $\frac{3}{8}$ -inch hole in $\frac{3}{8}$ -inch iron.

Machine Shop.—The equipment consists of a 15-inch crank shaper, a 24 by 24 by 6 foot planer, a 20-inch drill press, a 15-inch by 5 foot turret lathe, a 14 by 6-inch engine lathe, a 12 by 5 hand lathe, universal milling machine, cutter and reamer grinder, twist drill grinder, power grindstone, emery grinders, benches, vises, and all small tools necessary in machine shop work.

Heating and Power Plant.—This consists of two vertical engines of 12-horsepower each, two 30-horsepower tubular boilers, and a 30-light dynamo. The piping for feed water is so arranged that the water passes from either pump or injector through a feed water heater to the boilers; and the exhaust piping is so arranged that the exhaust steam from the engines can be

used either to heat the feed water or to heat the shops.

Water Supply.—In the court of the shop building is a 4-inch Cook tubular well, which furnishes 1,000 gallons of water per hour, delivering it to a tank thirty feet above ground, holding 8,000 gallons.

Sanitary Provisions.—The shops are thoroughly well lighted, ventilated, heated, and drained. Sewer connection is made to all buildings, and the abundant water supply is used to insure cleanliness in wash room and water closet.

The courses in the department are as follows, viz:

(a) A course in general shop work, extending over three years, followed by a fourth year's work in one of the shops selected by the student. The design is to enable a young man to choose his trade intelligently and to acquire a sound basis for it.

(b) A three years' course in general shop work, followed by a fourth year's work in the management of boilers, engines and heating systems. This course is intended to train young men for the practical work of foremen or engineers.

(c) A course in general shop work, extending over three years, together with class-room

work in the theory and practice of teaching, followed by a fourth year's work in handling classes in the shops and in laying out series of practical exercises.

For fuller information respecting this and other departments, reference is made to the catalogue of Branch Normal College.

GENERAL EXERCISES.

In addition to the regular class exercises prescribed in the course of study, there are regular lessons in vocal music, which are open to all the students. The general exercises also include a review of a Sabbath school lesson, review of the events of the week, calisthenics, music, and drawing. Music upon instruments—the organ, piano, flute, guitar, etc.—is extra, but very reasonable in price. There are two literary societies, the Junior and Senior, which hold weekly meetings and afford excellent opportunities for practice in oratory, debate, and composition. It is required that every student shall become a member and attend the meetings of one of the societies.

The length of the vacation allows the advanced students an opportunity to engage in teaching, and a large proportion of their number have done so during the last five years. In nearly all cases they have given satisfaction and conduct their schools with a fair degree of success.

The Normal students have also assisted in the work of the institution itself as a part of their training.

It will be a great advantage to the institution if the various county judges will take a special interest in seeing that their counties are represented. The forms for appointments and apportionment of beneficiaries are the same as stated in this catalogue. The proper blanks for making the appointments will be furnished, together with all necessary information, on application to the Principal.

J. C. CORBIN, A. M.,

Pine Bluff, Ark.

Register of Students.

ABBREVIATIONS.—B. A., Bachelor of Arts; B. Ph.; Bachelor of Philosophy; B. S., Bachelor of Science; M. E., Mechanical Engineering; E. E., Electrical Engineering; C. E., Civil Engineering.

NOTE.—The names of the students in the Medical and Law Departments at Little Rock and the Branch Normal College in Pine Bluff are not included in this Register, but are published in the special catalogues of these departments.

GRADUATES.

Pharr, Harry N.C.E. .MemphisTenn

SENIORS.

Abernathy, George Carl ..B.A. .WarrenBradley
Brown, Edgar Thurman ..C.E...Sweet HomePulaski
Connelly, SydneyB.A. .Poplar GrovePhillips
Dickinson, Ruth AnnaB.A...Little RockPulaski
Dickinson, Thomas Tiller .B.A...Little RockPulaski
Eld, George W.M.E...BentonvilleBenton
Erwin, Arthur Thomas.....B.S. .AmesIowa
Gray, William DodgeB.A...Little RockPulaski
Hornor, John LyfordB.A...HelenaPhillips
Horsfall, FrankB.S. .HazenPrairie
May, Mary EugeniaB.A. .FayettevilleWashington
Means, Elmer DanielB.A. .CharlestonFranklin
Moore, Benjamin Lewis ..B.A. .Van BurenCrawford
Orto, Charles HectorB.A. .Pine BluffJefferson
Philbeck, Robert Edward .B.A. .FayettevilleWashington
Purdy, LizzieB.S. .FayettevilleWashington
Rattenbury, William H. ..B.A. .FayettevilleWashington
Saxon, Robert L.B.S. .El DoradoUnion
Sloan, Chester CollinsB.S. .MolineIllinois
Taylor, Daniel Webster ..B.A. .Pine BluffJefferson
Thomason, Annie Cyna ..B.A. .FayettevilleWashington
Towler, George Franklin .B.A. .FordyceDallas

Treadway, William A. ...E.E. ..Little RockPulaski
 Young, DaisyB.A. ..SpringdaleWashington

JUNIORS.

Askew, Nancy AllenB.A. ..MagnoliaCoulmbia
 Bostick, John A.B.S. ..WashingtonHempstead
 Brown, Harry Sanford ...M.E. ..TylerTexas
 Clayton, John Middleton .B.A. ..Eureka SpringsCarroll
 Cochran, Victor Hugo ..C.E. ..GravettBenton
 Collier, James Thomas ...B.A. ..WashburnSebastian
 Crozier, Milton Henderson.B.A. ..Dutch MillsWashington
 Crozier, Elizabeth E.Dutch MillsWashington
 Davis, Benjamin F.B.A. ..Cherokee CityBenton
 Freeman, William Albert .B.S. ..ParisLogan
 Hobbs, William Douglas ..B.A. ..BentonvilleBenton
 Howell, EdwardB.A. ..FayettevilleWashington
 Hudgins, Hampton M.C.E. ..DallasPolk
 Knott, Elmer Conway ...B.A. ..BentonvilleBenton
 McAndrews, Joseph A. ...B.A. ..BentonvilleBenton
 McKie, William Horton ..B.A. ..HowellWoodruff
 McRae, CarltonC.E. ..Mt. HollyUnion
 Mundt, Leo J.B.S. ..HelenaPhillips
 Ross, Lucy IdaB.A. ..BoonsboroWashington
 Ross, Hervy LeonardB.A. ..BoonsboroWashington
 Sadler, Carl LeonC.E. ..Little RockPulaski
 Sanders, Thomas Earl ...B.A. ..Hot SpringsGarland
 Sellers, ClavinB.A. ..MorriltonConway
 Smith, Fannie MarieB.A. ..El DoradoUnion
 Stirman, Miriam G.B.A. ..DenverColorado
 Stubblefield, DemmieB.A. ..FayettevilleWashington
 Treadway, Theodore C. ..E.E. ..Little RockPulaski
 Vaughan, Andrew J.B.A. ..HindsvilleMadison
 Wasson, AlfredB.A. ..Elm SpringsWashington
 Webster, OliveB.A. ..MorrillPhillips
 Wilkinson, NormanB.A. ..CharlestonFranklin
 Wilson, Howell H.E.E. ..RussellvillePope

SOPHOMORES.

Abernathy, James Albert .B.A. ..FordyceDallas
 Alden, RathburnB.A. ..Osage MillsBenton

Austin, Miriam Edith	B.A.	..Van Buren	Crawford
Babb, Rhoten E.	B.A.	..Fayetteville	Washington
Barton, Richard Bethel ..	B.A.	..Mound City	Crittenden
Baxter, John Willard	B.A.	..Hackett	Sebastian
Berry, Elliott	M.E.	..Bentonville	Benton
Blaylock, John Charles ...	C.E.	..Fayetteville	Washington
Briggs, Oscar Doyle	B.A.	..Garner	White
Brown, Frederick I.	M.E.	..Sweet Home	Pulaski
Buchanan, Herbert Earle ..	B.A.	..Boonsboro	Washington
Cartwright, Walter W. ...	B.A.	..Mountain View	Stone
Castleberry, Jessie G.	B.A.	..Oil Trough	Independence
Clancy, William	C.E.	..Fayetteville	Washington
Covington, Ben Gaston ...	C.E.	..Howell	Woodruff
Curry, Clarence	C.E.	..Fayetteville	Washington
Danaher, Walter Smith ...	B.A.	..Little Rock	Pulaski
Daniels, Houston Thomas ..	C.E.	..Little Rock	Pulaski
Ellis, William Yancy	E.E.	..Fayetteville	Washington
Foster, Charles B.	M.E.	..Hope	Hempstead
Galloway, Rowena M.	B.A.	..Fayetteville	Washington
Gibson, Freeman Irby	B.S.	..Dardanelle	Yell
Hamblin, Ivy Amelia	B.A.	..Fayetteville	Washington
Hayes, George Gordon	E.E.	..Newport	Jackson
Henderson, George D.	B.A.	..Little Rock	Pulaski
Hight, William G.	M.E.	..Fayetteville	Washington
Honnett, Alphonso M.	E.E.	..Pine Bluff	Jefferson
Kelly, Edward Lee	B.S.	..Fayetteville	Washington
Langford, Bertram W.	B.A.	..Bentonville	Benton
Longino, James Leland	E.E.	..Magnolia	Columbia
Martin, Charles Buckner ..	B.S.	..Mena	Polk
McConnell, James L.	C.E.	..Huntington	Sebastian
Mesler, Rector Duvall	B.S.	..Fayetteville	Washington
Moon, Arthur Rufus	B.A.	..Magazine	Logan
Newman, L. L.	E.E.	..Magazine	Logan
Oglesby, Micajah	B.A.	..Hope	Hempstead
Prall, George Virgil	B.A.	..Jonesboro	Craighead
Sedgwick, Thomas D.	B.A.	..Bentonville	Benton
Simms, Albert Gallatin ..	B.A.	..Hope	Hempstead
Smith, Carl	B.A.	..Stephens	Ouachita
Streepey, John Paul	B.A.	..Hot Springs	Garland

Stubblefield, Garfield	.....C.E.	..Fayetteville	.....Washington
Sutton, Mabel	.....B.A.	..Lonoke	.....Lonoke
Swan, John Stephen	.....B.S.	..Fayetteville	.....Washington
Trimble, George Moore	...C.E.	..Fayetteville	.....Washington
Vincenheller, George A.	...B.S.	..Fayetteville	.....Washington
Warriner, Richard B.	.....C.E.	..Corinth	.....Miss.
Wood, Scott	.....B.A.	..Hot Springs	.....Garland

FRESHMEN.

Adams, Robert M.	.....Ph.B.	..Ozark	.....Franklin
Archer, Elmer Theodore	.E.E.	..Little Rock	.....Pulaski
Ball, Cleo Cleveland	.....B.S.	..Ravenden	.....Lawrence
Banks, Mathew	.....C.E.	..Wrightsville	.....Pulaski
Bates, William Earle	.....B.S.	..Fayetteville	.....Washington
Bell, Robert Davies	.....E.E.	..Pine Bluff	.....Jefferson
Bell, Charles Neel	.....Ph.B.	..Pine Bluff	.....Jefferson
Benedict, Julia May	.....B.A.	..Rogers	.....Benton
Bibb, Dora	.....Ph.B.	..Fayetteville	.....Washington
Billings, Fred Merritt	...C.E.	..Marianna	.....Lee
Blanchard, Fay H.	.....Ph.B.	..Fayetteville	.....Washington
Bobbitt, Lawson W.	....Ph.B.	..Beebe	.....White
Brewster, Hugh	.....B.A.	..Boonsboro	.. ..Washington
Brown, Emma Myrtle	...B.A.	..Fayetteville	.....Washington
Brown, Owen Rector	.....B.S.	..Evening Shade	.....Sharp
Bryan, Lemuel B.	.....C.E.	..Fort Smith	.....Sebastian
Burnside, Willie Grace	...B.A.	..Hillsboro	.....Union
Cook, LaRue Jean	.....B.A.	..Fayetteville	.....Washington
Cleveland, Rhea	.....Ph.B.	..Texarkana	.....Miller
Cook, Birdie Bertha	....B.A.	..Bentonville	.....Benton
Cunningham, Ben Lee	...Ph.B.	..Dardanelle	.....Yell
Davies, Mary Lou	.....Ph.B.	..Fayetteville	.....Washington
Davis, Pearl Reed	.....B.A.	..Paris	.....Texas
Davis, Thomas, Jr.	.....E.E.	..Forest City	.....St. Francis
Davis, F. H.	.....C.E.	..Lowell	.....Benton
Davis, Claude	.....C.E.	..Fayetteville	.....Washington
Droke, Leila Ruth	.....Ph.B.	..Fayetteville	.....Washington
Duncan, Annie Chrisman	.B.S.	..Fayetteville	.....Washington
Dunn, William Forbes	...B.A.	..Fayetteville	.....Washington
Ellis, John Robert	.....E.E.	..Pine Bluff	.....Jefferson

Freeman, Robert	.....Ph.B.	..Chickasha	..Indian Territory
Gardner, Fulton Quintus	.B.A.	..Fort Smith	.....Sebastian
Gatling, Olive Gilliam	...B.A.	..Forest City	.....St. Francis
Goddard, Mary Kate	....Ph.B.	..Prairie Grove	...Washington
Goddard, Maude E.	.....Ph.B.	..Prairie Grove	...Washington
Hambhn, William H.	....B.S.	..Fayetteville	.....Washington
Hamilton, Kate	.....B.A.	..Fayetteville	.....Washington
Hanger, Albert Eugene	...C.E.	..Little Rock	.....Pulaski
Harris, William Mervin	..B.A.	..Monticello	.....Drew
Harvey, William R.	.....C.E.	..Marshall	.....Searcy
Hatfield, James Peyton	.Ph.B.	..Jacksonville	.....Pulaski
Henderson, Samuel L.	...Ph.B.	..Fayetteville	.....Washington
Holman, Marie Louise	..Ph.B.	..Texarkana	.....Miller
Holt, Charles Larkin	....B.A.	..Bellefonte	.....Boone
Holt, Fred White	.....B.A.	..Bellefonte	.....Boone
Howard, Robert Earnest	.Ph.B.	..Marianna	.....Lee
Jackson, Wilburn	.....M.E.	..Boonsboro	.....Washington
Jagersfeldt, Carl Von	....B.S.	..Washington	.....Hempstead
Jones, Effie	.....B.S.	..Fayetteville	.....Washington
Jones, Doswell	.....E.E.	..Fayetteville	.....Washington
Key, Kerr Cosby	.....B.A.	..Elm Springs	.....Washington
Kitchens, Walter Lee	....B.S.	..Waldo	.....Columbia
Knesal, Ada Irene	.....B.A.	..Fayetteville	.....Washington
Knott, Virgil Proctor	...C.E.	..Bentonville	.....Benton
Lester, Roy	.....Ph.B.	..New Lewisville	...Lafayette
Leverett, Edward Vaulx	.M.E.	..Fayetteville	.....Washington
Loper, Frank May	.....E.E.	..Monticello	.....Drew
Maguire, Eva Josephine	..B.A.	..Fayetteville	.....Washington
Marshall, Harry Everett	..B.S.	..Mansfield	.....Sebastian
Mathes, Edward Paul	...B.A.	..Ozark	.....Franklin
McAndrews, Robert H.	...C.E.	..Bentonville	.....Benton
McAlester, Edward W.	...E.E.	..McAlester	.....I. T.
McDaniel, Volney W.	....B.A.	..Fayetteville	.....Washington
McGehee, Abner	.....B.A.	..McGehee	.....Desha
McKay, Frank Shaddock	.Ph.B.	..Magnolia	.....Columbia
Melton, Hattie C.	.....B.A.	..Fayetteville	.....Washington
Middleton, Robert J.	....C.E.	..Fayetteville	.....Washington
Mitchell, Samuel A.	.....Ph.B.	..Fayetteville	.....Washington
Mooring, Lewis Clide	...B.S.	..Cotton Plant	.....Woodruff

Muller, James F.	M.E.	Little Rock	Pulaski
Munn, Malcolm John	B.S.	Bodcaw	Nevada
Neel, Ashbel Caloway	E.E.	Forest City	St. Francis
Neely, John E.	B.A.	Fayetteville	Washington
Norton, Edward Bobson .	B.A.	Forest City	St. Francis
Orto, Allen Zaphney	B.A.	Pine Bluff	Jefferson
Patterson, Annie May	B.A.	Fayetteville	Washington
Phillips, Charles Oliver ..	Ph.B.	Fayetteville	Washington
Pyeatt, James H.	Ph.B.	Boonsboro	Washington
Quarles, Tevie Randolph .	M.E.	Fayetteville	Washington
Quesenbury, Sue Jean ..	Ph.B.	Van Buren	Crawford
Ragsdale, Flora	B.A.	Perryville	Perry
Ramsey, Carlton Caloway.	B.A.	Camden	Ouachita
Rankin, Elbert R.	Ph.B.	Russellville	Pope
Reichardt, Walter F.	C.E.	Little Rock	Pulaski
Rifle, James K.	C.E.	Little Rock	Pulaski
Rife, William B.	Ph.B.	Osage Mills	Benton
Ruggles, William A.	E.E.	Fayetteville	Washington
Thorn, Wray Thompson ..	E.E.	Hope	Hempstead
Vandeventer, Edward A..	Ph.B.	Fayetteville	Washington
Vaulx, Eleanor	Ph.B.	Fayetteville	Washington
Vaulx, Susie	B.A.	Fayetteville	Washington
Wallace, Mary Elizabeth.	Ph.B.	Russellville	Pope
Walton, Lee Watts	B.A.	Marianna	Lee
Watkins, Guy Anderson ..	C.E.	Fayetteville	Washington
Webb, Horace	C.E.	Exeter	Missouri
Webster, Fay	E.E.	Marvell	Phillips
Wood, Clark, Jr.	B.A.	Paris	Logan
Worthley, Guy C.	E.E.	Helena	Phillips

NORMALS.

Amis, Joseph Paul	Ozark	Franklin
Beakley, John Dandridge	Pocahontas	Randolph
Boyette, Margaret Jackson....	Hamburg	Ashley
Cruce, Henry Pharis	Monticello	Drew
Dotson, James Alfred	Huntsville ..	Madison
Forest, Daisie	Huntsville	Madison
Goddard, Dora Lee	Prairie Grove ...	Washington
Grimes, Dallas Polk	Hemphle	Missouri

Hannah, Collins M.	De Queen	Sevier
Holt, Orpha Emeline	Harrison	Boone
Johnston, Joseph Egleston ...	New Lewisville	Lafayette
Kimbrough, Nester Duke	Shibley	Crawford
Lewis, John Jackson	Maynard	Randolph
May, Minnie	Cincinnati	Washington
Nelson, Rufus J.	De Queen	Sevier
Place, Georgie D.	Gillett	Arkansas
Rosser, Annie	Fayetteville	Washington
Sappington, Kate	Clarksburg	Missouri
Wilson, William Oscar	Cabot	Lonoke

SPECIAL.

Beakley, W. A.	B.A. ..	Walnut Ridge	Lawrence
Bishop, David	B.A. ..	Hamil	Randolph
Bizzell, Mathew A.	B.S. ..	Lockesburg	Sevier
Bradley, Euphema	B.A. ..	Russellville	Pope
Brown, Mrs. Hettie	B.S. ..	Warren	Bradley
Bryan, Bertha K.	B.S. ..	Van Buren	Crawford
Buchanan, Walter H.	M.E. ..	Boonsboro	Washington
Burton, Percy D.	B.A. ..	Hope	Hempstead
Covey, John McGruder ..	E.E. ..	Van Buren	Crawford
Cox, Virgie	B.A. ..	Hinesville	Madison
Craig, James R.	B.S. ..	Bentonville	Benton
Daly, M. Greene	B.A. ..	Bodcaw	Nevada
Davies, Edith	B.A. ..	Fayetteville	Washington
Duncan, May Eleanor	B.A. ..	Fayetteville	Washington
Dunn, James Lee	E.E. ..	Fayetteville	Washington
Edmiston, Anna H.	B.A. ..	Fayetteville	Washington
Faust, Anna Bebee	B.A. ..	Little Rock	Pulaski
Foreman, Ina	B.A. ..	Conway	Faulkner
Gladson, Arthur J.	E.E. ..	Fayetteville	Washington
Hamilton, Mary Fort ...	B.A. ..	Fayetteville	Washington
Hendrix, James Thomas ..	B.A. ..	Mulberry	Hempstead
Hill, Ethel	B.A. ..	Fayetteville	Washington
Hill, Lola Mary	B.A. ..	Fayetteville	Washington
Jordan, Henry Pope	E.E. ..	Fayetteville	Washington
Lake, Horton Clayton ...	B.A. ..	Fayetteville	Washington
Locke, Rosina P.	B.A. ..	Fort Smith	Sebastian

Lyon, Minnie Eva	.....B.A.	..Fayetteville	.....Washington
McCall, J. K.	.....B.A.	..Mt. Holly	.....Union
Meyer, Percy Bernard	....B.S.	..Pine Bluff	.....Jefferson
Moore, Mary Ethel	.....B.A.	..Boonsboro	... ..Washington
Oliver, Bessie	.....B.A.	..Fayetteville	.....Washington
Ostrander, Effie	.....B.A.	..Fayetteville	.....Washington
Pelt, Louis	.....B.S.	..Falcon	.....Nevada
Pratt, Cassius	.....E.E.	..Fayetteville	.....Washington
Pratt, Bennett Joshua	....B.S.	..Hillsboro	.....Union
Reaves, Etta	.....B.A.	..Blackston	.....Monroe
Spencer, Mamie Cato	....B.A.	..Fayetteville	.....Washington
Stephens, Robert Aaron	..B.A.	..Corning	.....Clay
Stockard, George G.	.....B.A.	..Fayetteville	.....Washington
Stubblefield, Frank	.....B.S.	..Fayetteville	.....Washington
Thomason, Demmie	.....B.A.	..Fayetteville	.....Washington
Triplett, Charles	.....B.A.	..Pine Bluff	.....Jefferson
Vaulx, Margaret	.....B.A.	..Fayetteville	.....Washington
Walker, Mary S.	.....B.A.	..Wertzville	.....Missouri
Ware, Baxter	.....B.A.	..Hot Springs	.....Garland
Watson, Annie	.....B.A.	..Prescott	.....Newton
Woolridge, Richard	.....B.A.	..Oklahoma City	....Oklahoma
Worthly, L. E.	.....B.A.	..Helena	.....Phillips

VOCAL MUSIC.

Austin, Miriam.	Elliott, F. E.	Lake, Louise.
Conner, Kate.	Forbes, Mrs.	Locke, Rosina.
Dickinson, Georgia.	Halk, Elsie.	Melton, Clyde.
Duncan, Mrs.	Hendricks, J. T.	Purdy, Lizzie.
Duncan, Annie.	Hutchinson, Mrs.	Quesenbury, Suc.
Eason, Evaline.	Kidder, E. B.	Vincenheller, Jean.

INSTRUMENTAL MUSIC.

Abernathy, Annie.	Harding, Arthur.	Meyer, Reynold.
Ambrose, Addie.	Hill, Lola.	Meyer, Sol.
Bell, Annie.	Hill, Ethel.	Meyer, Percy.
Bennett, Rose.	Holt, Stella.	Neely, Bessie.
Bradley, Euphema.	Holman, Louise.	Norton, Edwin.
Brown, Emma.	Horton, Q. B.	Pitts, Rose.
Cleveland, Rhea.	Kell, Bessie.	Prall, Beatrice.

Cox, Nellie.	Lake, Louise.	Quarles, Tevie.
Davis, Maud.	Lester, Roy.	Rees, Margaret.
Dickinson, Georgie.	Locke, Rosina.	Sever, Laura.
Edmiston, Erin.	Maguire, Eva.	Stephens, Robert.
Foreman, Iva.	Mathes, Paul.	Trumbo, Stella.
Gatling, Olive.	Mathes, Werdna.	Vaughan, Daisy.
Halk, Elsie.	McBride, Bessie.	Worthley, Guy.
Hamilton, Kate.	McBride, Mattie.	Yates, Hazel.
Hamilton, Eileen.		

ART.

Brown, Mrs.	Johnson, Tenie.	Moss, Annie.
Bruffey, Mrs.	Jordan, Nell.	Neely, Bessie.
Cozort, Vivien.	Jordon, Grace.	Oliver, Bessie.
Cook, Virgie.	Lake, Horton.	Phillips, Grace.
Cox, Virgie.	Lang, Jessie.	Ragland, Fannie.
Duncan, Eleanor.	Lewis, J. J.	Reaves, Etta.
Dunaway, Hettie.	Locke, Rosina.	Stacy, Esther.
Edmiston, Maud.	Mackey, Earl.	Thomas, May Belle.
Edmiston, Erin.	McCartney, Stella.	Thomason, Demmie
Foreman, Ina.	McMillan, Della.	Vandeventer, E. A.
Hamilton, Herbert.	McVay, Cora.	Vaulx, Madge.
Hight, Stella.	McVay, Mattie.	Vaulx, Gordon.
Hill, Lola.	Melton, Clyde.	Vaulx, Eleanor.
Holt, Orpheus.	Mitchell, R. C.	Wilson, Myrtle.
Horsfall, Frank.	Moore, Lucy.	Place, George D.
Jagersfeldt, Carl.	Moore, Esther.	

SUMMARY FOR SESSION 1899-1900.

BY CLASS.

Graduates	1
Seniors	24
Juniors	32
Sophomores	48
Freshmen	98
Normal	19
Special	48
Vocal Music	18
Instrumental Music	46
Art	47
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	381
Names counted twice.....	90
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Total	291

BY COURSE.

Bachelor of Arts	126
Bachelor of Science	33
Bachelor of Philosophy	27
Bachelor of Civil Engineering	28
Master of Civil Engineering	1
Bachelor of Mechanical Engineering	11
Bachelor of Electrical Engineering	25
Normal	19
Special, Music and Painting.	21
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Total	291

NOTE.—The number of students in Agriculture and Horticulture is 19.

Preparatory School.

NOTE.—A., Arts Course; S., Science Course; E., Engineering Course; T., Teacher's Course.

SECOND YEAR CLASS.

Abercrombie, James Scott	T	Bryan	Saline
Abernathy, Annie May	A	Warren	Bradley
Allen, John Leroy	E	Fayetteville	Washington
Austin, Robert Lee	A	Ozark	Franklin
Baird, Lutie	S	Fayetteville	Washington
Beard, Abner Hamilton	E	Wynne	Cross
Bell, Thatcher Winfred	A	Benton	Saline
Bell, Willie Aurian	A	Fayetteville	Washington
Bell, Margie	A	Waldron	Scott
Brookover, Robert H.	S	Fayetteville	Washington
Buchanan, Frank Emerson	S	Fayetteville	Washington
Burke, Elisha	A	Helena	Phillips
Burno, Marguerite Lorena	A	Fayetteville	Washington
Byrnes, Emma Gertrude	A	Fayetteville	Washington
Callahan, Eugene	A	Warren	Bradley
Catlett, Hervey	E	Dardanelle	Yell
Cazort, Sidney James	E	Lamar	Johnson
Cecil, James Monroe	T	Underwert	Polk
Chapman, Johnson, Jr.	E	Lake Village	Chicot
Clayton, William David	S	Hardy	Sharp
Conway, Charles Mitchell, Jr.	S	Washington	Hempstead
Cotton, Maurice Lafayette	A	Branch	Franklin
Cox, Thomas N.	A	Little Rock	Pulaski
Cunningham, Chester Rogers	A	Dardanelle	Yell
Curry, Robert Erskin	E	Fayetteville	Washington
Davis, Edward Allen	S	Fayetteville	Washington
Davis, Winfield C.	A	Bentonville	Benton
Davis, Joseph Ray	A	Lowell	Benton
Dibrell, James Lambert	E	Little Rock	Pulaski

Dickinson, Georgie May	.....A	..Little Rock	.....Pulaski
Dowell, Ben Gray	.....E	..Fayetteville	.....Washington
Droke, Marvin Josephine	....A	..Fayetteville	.....Washington
Dunaway, Hettie	.....A	..Conway	.....Faulkner
Edmiston, James Claud	.....S	..Fayetteville	.....Washington
Edmiston, Theo Lacy	.....E	..Boonsboro	.....Washington
Ederington, Louis	.....A	..Warren	.....Bradley
Evins, Mamie	.....A	..Fayetteville	.....Washington
Faulkner, Isaac Henry	.....A	..Cherry Valley	.....Cross
Gardner, Elmer Beal	.....A	..Hickory Plains	.....Prairie
Gorman, Walter P.	.....A	..Forest City	.....St. Francis
Gorman, Joseph F.	.....A	..Helena	.....Phillips
Graves, A. B.	.....S	..Lockesburg	.....Sevier
Gray, Clifton Welch	.....A	..Little Rock	.....Pulaski
Hamilton, Eileen	.....A	..Fayetteville	.....Washington
Hamilton, Herbert Hall	.....S	..Shawnee	.....Oklahoma
Hainesworth, Annie May	....T	..Fayetteville	.....Washington
Harding, Arthur McCracken	.A	..Pine Bluff	.....Jefferson
Harrell, Bennett	.....A	..Summerville	.....Calhoun
Harkey, Opal Noal	.....A	..Ola	.....Yell
Henderson, Jai Riffin	.....A	..Hot Springs	.....Garland
Herron, Mortimer	.....A	..Bentonville	.....Benton
Hill, Hugh Beverly	.....A	..Fayetteville	.....Washington
Holcomb, George Roy	.....A	..Fayetteville	.....Washington
Holt, Stella	.....A	..Belfonte	.....Boone
Hooper, Edward Kenneth	...E	..Batesville	.....Independence
Horsfall, John Edmond	....T	..Hazen	.....Prairie
Hudgins, Bessie May	.....S	..Hot Springs	.....Garland
Hudgins, J. Guy	.....A	..Hot Springs	.....Garland
Jones, James Americus	.....E	..Russellville	.....Polk
Jones, William	.....S	..Alma	.....Crawford
Jordon, Nell	.....A	..Fayetteville	.....Washington
Jordan, Grace	.....A	..Fayetteville	.....Washington
Kantz, Willie Deane	.....A	..Fayetteville	.....Washington
Kidder, Earl Dodge	.....A	..Little Rock	.....Pulaski
Kimpel, Benjamin Drew	....A	..Dermott	.....Chicot
Kindrick, Edward L.	.....S	..Ozark	.....Franklin
Kirksey, Phillips Lafayette	..E	..Wesley	.....Madison
Lake, Louise	.....A	..Fayetteville	.....Washington

Lang, Minnie Laura	A	..Fayetteville	Washington
Lide, Montrose Graham	A	..Camden .....	..Ouachita
Marshall, Harry Everett	S	..Mansfield	Sebastian
Mauney, Walter Jordan	E	..Hot Springs	Garland
McCartney, Della Agnes	A	..Fayetteville	Washington
McCormack, John Edwin	A	..Wattersaw	Lonoke
McDonald, Dee	A	..Lisbon	Union
McCrary, Edgar Wise	A	..Nashville	Howard
McKean, John Pelham	S	..De Queen	Sevier
McKinley, Joseph Golden	A	..De Queen	Sevier
McLaughlin, Will Heber	S	..Noble Lake	Jefferson
McVay, Cora	T	..Paris	Logan
McVay, Mattie Belvey	T	..Paris	Logan
Millian, Edward Bryant	A	..Melbourne	Izard
Miller, Henry Bernard	A	..Clarksville	Missouri
Milum, Ray Wamon	A	..Lead Hill	Boone
Mitchell, Brainard, Jr.	S	..Gillett	Arkansas
Mitchell, Bussell C.	E	..Gillett	Arkansas
Moore, Nellie	T	..Fayetteville	Washington
Morrow, Hugh Ellis	S	..Fayetteville	Washington
Mulkey, Macksin Henry	E	..Mineral Springs ...	Howard
Mullins, George Walker	A	..Fayetteville	Washington
Munn, Marie Dorothy	T	..Bodcaw	Nevada
Norman, Gus Hampton	A	..Hamburg	Ashley
Oaks, George Cromer	A	..Pocahontas	Randolph
Parker, William Christopher.	A	..Waldo	Columbia
Pettigrew, Lillian Imogene .	A	..Fayetteville	Washington
Pharr, Robert Lee	A	..LaGrange	Lee
Pitts, Rose Lee	T	..Dover	Polk
Pratt, Fletcher Howard	S	..Springdale	Washington
Prescott, Walter Hillman....	A	..Shreveport	Louisiana
Pryor, William Allen	A	..Mena	Polk
Pyeatt, Samuel Thomas	E	..Boonsboro ...	Washington
Ragland, John Henry	E	..Fayetteville	Washington
Rees, Margaret	A	..Fayetteville	Washington
Risser, Thomas Scott	A	..Fayetteville	Washington
Sarver, Laura Etta	A	..Piggott	Clay
Sassamon, Robert Selsby	S	..Fayetteville	Washington
Skinner, Haywood Lamb	T	..Lockesburg	Sevier

Stacy, Esther Permela	.....A	..Vandale	.....	Cross
Stanfield, Albert Franklin	...A	..Fayetteville	.....	Washington
Stone, Benjamin Hicks	.....A	..Fayetteville	.....	Washington
Watts, Thomas Marvin	.....A	..Huntsville	....	Madison
Suggs, Pattie Corona	.....A	..Bentonville	.....	Benton
Swearingen, Samuel Conrad	.A	..Lee's Creek	.....	Crawford
Thomas, Mabel Claire	.....A	..Fayetteville	.....	Washington
Walker, Lamar	.....A	..Dardanelle	.....	Yell
Whitehead, Alexander Dixon	.A	..Glasgow	.....	Lafayette
White, May Cathrine	.....A	..Fayetteville	.....	Washington
Wilson, John Rufus	.....A	..Morgan	.....	Bradley
Wilson, Myrtle Lena	.....A	..Fayetteville	.....	Washington
Wilson, Augustus Harris	...A	..Hamburg	.....	Ashley
Wood, John Fredrick	.....A	..Horning Post	....	Oklahoma
Yates, Hazel Archer	.....A	..Fayetteville	.....	Washington

FIRST YEAR CLASS.

Abercrombie, Bertha	.....A	..Pactulus	....	Benton
Adams, Charles Edgar	.....E	..Lowell	.....	Benton
Adams, James George	.....A	..Huntsville	.....	Madison
Allen, Annie	.....S	..Farmington	....	Washington
Ambrose, Addie	.....A	..Fayetteville	.....	Washington
Arnold, Leonard Sherrod	....S	..Newark	....	Independence
Bailey, Boone	.....S	..Chickasha	.....	I. T.
Bailey, Jay Gould	.....S	..Chickasha	.....	I. T.
Baker, Simon Ross	.....E	..Fayetteville	.....	Washington
Baldwin, Henry C.	.....A	..Mansfield	....	Scott
Barringer, Earl	.....S	..Fayetteville	.....	Washington
Beakley, Burleigh Maurice	..S	..Pocahontas	....	Randolph
Beeler, Leslie Linn	.....E	..Little Rock	.....	Pulaski
Bisplinghoff, Raymond Lee	..S	..Bismarck	....	Missouri
Blackburn, Rowena Emma	...S	..Boonsboro	....	Washington
Blackmer, Albert Henry	....E	..Fayetteville	.....	Washington
Bogy, Edward Julian	.....S	..Wabaseka	.....	Jefferson
Bowles, Edward Clifford	....S	..Fayetteville	.....	Washington
Bratton, Charles E.	.....E	..Warren	.....	Bradley
Brewster, Frank E.	.....E	..Boonsboro	....	Washington
Bridewell, Edward McRae	...S	..Hope	.....	Hempstead
Brown, Joseph, Jr.	.....E	..Gifford	.....	Hot Spring

Brown, McRoy	E ..	Fayetteville	Washington
Brownfield, May Odesse	S ..	Marianna	Lee
Brownfield, Eleanor	S ..	Marianna	Lee
Burcham, Susie Hightower ..	T ..	Fort Smith	Sebastian
Burrows, Edward Peter, Jr. ..	S ..	Marianna	Lee
Butler, Rupert	A ..	Mars	Lafayette
Carden, Claude	A ..	Waters	Montgomery
Cathey, Florence	S ..	Fayetteville	Washington
Cato, Fred Reed	E ..	Farmington	Washington
Cazort, Thomas Jay	S ..	Lamar	Johnson
Cazort, Charles A.	S ..	Lamar	Johnson
Chadwick, Samuel James	E ..	Blance	Searcy
Chandler, Claude V.	A ..	Adair	Illinois
Cleveland, George Webber ...	A ..	Fayetteville	Washington
Cloud, Hugh Perceval	S ..	Fulton	Hempstead
Coley, Sallie Elizabeth	A ..	Seba	Benton
Conner, Bertha	S ..	Fayetteville	Washington
Conner, Katherine Gray	A ..	Fayetteville	Washington
Conway, George Taylor	S ..	Washington	Hempstead
Conway, Walter Black	A ..	Washington	Hempstead
Counts, Lewis Marian	S ..	Wesley	Madison
Craig, Bessie	S ..	De Queen	Sevier
Cravens, Earnest	E ..	Farmington ..	Washington
Crawford, Pearl	S ..	Sulphur City ...	Washington
Crawford, Owen	S ..	Sulphur City ...	Washington
Crawford, William Reed	A ..	Fayetteville	Washington
Curry, Carrie C.	S ..	Fayetteville	Washington
Dalton, Mary	A ..	Fayetteville	Washington
Darwin, Wilber Newton	E ..	Wickes	Polk
Davies, Samuel Green	A ..	Fayetteville ...	Washington
Davis, John Newton	E ..	Cravens	Franklin
Davis, Wilber Ross	A ..	Lowell	Benton
Davis, Grace	A ..	Fayetteville	Washington
Dawson, Williams Cleo	E ..	Magnolia	Columbia
Deane, Ruth Elizabeth	A ..	Fayetteville	Washington
Deane, Sidney E.	A ..	Fayetteville	Washington
Dickinson, Claud	S ..	Umpire	Howard
Dickinson, Will Dewoody	E ..	Kingsland	Cleveland
Dotson, Mary	A ..	Fayetteville	Washington

Dowdle, Joe Hansford	.....S	..Morrilton	....	.....Conway
Duncan, Mary Lillian	.....S	..Fayetteville	....	Washington
Eason, Alcuin Pett	.....E	..Fayetteville	....	Washington
Edmiston, Maude E.	.....A	..Boonsboro	..	Washington
Edmiston, Erin	.....A	..Boonsboro	..	Washington
Edrington, Fred Seldon	....E	..Hermitage	....	Bradley
Ellis, Clarence William	.....S	..Mansfield	.....	Sebastian
England, Fred Campbell	....S	..Fayetteville	....	Washington
Eudaly, Arthur Chester	.....S	..Powhatan	....	Lawrence
Evins, Theodore Fred	.....S	..Fayetteville	....	Washington
Evins, Phebe	.....S	..Fayetteville	....	Washington
Foster, Washington Young	...A	..Hope	.....	Hempstead
Frazier, Ada Esther	.....A	..Mansfield	....	Sebastian
Freeland, Esther W.	.....S	..West Plains	.....	Missouri
Galloway, Margaret Bell	....S	..Fayetteville	....	Washington
Gates, Albert Lawrence	.....S	..Fayetteville	....	Washington
Gocio, Joseph	.....A	..Reydel	.....	Jefferson
Greene, Charles Munroe	....A	..Harrison	...	Boone
Gugenheim, Emmanuel Sol	...S	..Pine Bluff	.....	Jefferson
Hail, Charles Anderson	.....S	..Williford	.....	Sharp
Halk, Elsie Minerva	.....S	..Cherry Valley	.....	Cross
Ham, Alice	.....T	..Fayetteville	....	Washington
Harraway, Albert Cadwright	.A	..Hartman	....	Johnson
Harding, Charles Tomlinson	.A	..Pine Bluff	.....	Jefferson
Harrison, Ralph Yeater	....A	..Fayetteville	....	Washington
Heard, John Luna	.....A	..Lono	.....	Hot Spring
Heard, Isaac Stephens	....A	..Lono	.....	Hot Spring
Hight, Stella	.....S	..Fayetteville	....	Washington
Hight, Newton	.....S	..Fayetteville	....	Washington
Hildreth, Henry Byron	.....S	..Washington	..	Hempstead
Holden, James Richards	....A	..Vanderwert	....	Polk
Holt, Seaborn James	.....A	..Bellefonte	....	Boone
Hooper, Lilian Gertrude	....A	..Batesville	....	Independence
Hornbeck, Lilian	.....S	..Fayetteville	....	Washington
Horton, John Barnes	.....S	..Augusta	....	Woodruff
Houston, Leda	.....A	..Fayetteville	....	Washington
Howell, Elmo	.....A	..Fayetteville	....	Washington
Hurst, Abner	.....A	..Fayetteville	....	Washington
Hutchinson, David	.....E	..Fayetteville	....	Washington

Ingram, C. Q.	S ..	Trident.....	Benton
Ingram, Myrtle	T ..	Trident....	Benton
Ingram, Bertha	T ..	Trident....	Benton
Jackson, James W.	S ..	Umpire	Howard
Jackson, Brewin Orestin	A ..	Hamburg	Ashley
Johnson, Mabel Olsie	A ..	Fayetteville	Washington
Johnson, Agnes	A ..	Hatfield	Polk
Johnson, Nannie J.	A ..	Fayetteville	Washington
Jones, Coulter	A ..	Lono	Grant
Jordan, Garland W.	A ..	Prescott	Nevada
Joyner, J. Edward	A ..	Atkins	Pope
Joyner, Fayette	A ..	Atkins	Pope
Kantz, Fredrick	S ..	Fayetteville	Washington
Kelly, John Bernard	E ..	Brinkley	Monroe
Kennedy, Tyler Astor	A ..	Walcott	Greene
Kerlin, Robert Lee	E ..	Magnolia	Columbia
Killgore, James Allie	S ..	Fayetteville	Washington
Kinabrew, Albert Davy	S ..	Wilmot	Ashley
Klyce, Harry	E ..	Fayetteville	Washington
Land, Nannie	S ..	Fayetteville	Washington
Lang, Jessie Vinster	A ..	Fayetteville	Washington
Ledbetter, James Franklin ..	A ..	Drakes Creek..	Madison
Leverett, Nina Deane	A ..	Fayetteville	Washington
Lewis, Douglas	S ..	Mount Holly	Union
Lide, James E.	E ..	Camden	Ouachita
Little, Lot Savage	A ..	Greensboro ..	Craighead
Locke, David Carlton	S ..	Fort Smith	Sebastian
Lucas, Wilber Wesley	S ..	Wesley	Madison
Madison, James Munroe	S ..	Falkville	Newton
Mackey, Earl	E ..	Denison	Texas
Maguire, Harvey Gee	E ..	Fayetteville	Washington
Maguire, Minnie Lee	S ..	Fayetteville	Washington
McGuire, William Jefferson ..	A ..	Fayetteville	Washington
Martin, Guy	E ..	Powhatan	Lawrence
Martin, Norman Bowles	S ..	Vandale	Cross
Martin, John H.	E ..	Warren	Bradley
Mathes, Mary Werdna	A ..	Ozark	Franklin
Mathews, Loula Sophia	A ..	Hot Springs	Garland
May, James Larkin	S ..	Cincinnati	Washington

Mayes, George Frank	S ..	Lowell	Benton
McBride, Doble Albert	E ..	Marshal	Searcy
McBride, Bessie Florence	S ..	Marshal	Searcy
McBride, Martha Jane	A ..	Marshal	Searcy
McBride, Hugh	E ..	Marshal	Searcy
McCombs, Arthur Pugh	S ..	Hamburg....	Ashley
McCown, Louis David	A ..	Lockesburg	Sevier
McDaniels, Dardis	S ..	Bentonville	Benton
McCrimmens, Bessie May	S ..	Fayetteville	Washington
McGehee, Ben Collins	A ..	McGehee	Desha
McKinley, George Edmonds .S ..	DeQueen		Sevier
McKinley, Edgar Holman	S ..	DeQueen	Sevier
McKinley, Jerry Gillham	S ..	DeQueen	Sevier
McKinley, Warwick F.	S ..	DeQueen	Sevier
McMillan, Della McDelin	S ..	Fayetteville	Washington
Melton, Clide Lee	E ..	Fayetteville	Washington
Meyer, Reynolds	E ..	Grand Lake	Chicot
Meyers, Soloman	E ..	Grand Lake	Chicot
Montgomery, Mary W.	A ..	Seattle	Wash.
Moore, Henrietta	A ..	Boonsboro ..	Washington
Moore, William Coan	A ..	Boonsboro ..	Washington
Moorman, Thomas M.....	S ..	Fort Smith	Sebastian
Morrow, Donald Blackburn ..	E ..	Altus	Franklin
Muller, Edgar M.	E ..	Little Rock	Pulaski
Mullins, Thomas Clinton	S ..	Fayetteville	Washington
Murphy, Emma Belle	A ..	Fayetteville	Washington
Nations, William	S ..	Lamar	Johnson
Nations, George Newton	A ..	Lamar	Johnson
Neely, Bessie Grace	A ..	Dardanelle	Yell
Noland, Willie May	A ..	Fayetteville	Washington
Norman, Crawford Sharp	E ..	Hamburg ...	Ashley
Old, Elias Carruth	S ..	Washington	Hempstead
Oliver, Maggie Rachel	A ..	Fayetteville	Washington
Patton, Lowell Russel	E ..	Clarksville	Missouri
Payne, Affie Rena	S ..	Fayetteville	Washington
Payne, Samuel Spottswood .A ..	Fayetteville		Washington
Phillips, Nora Etta	A ..	Fayetteville	Washington
Phillips, Oberta Grace	A ..	Fayetteville	Washington
Phillips, Thomas Wolburn ...	E ..	Fayetteville	Washington

Pittman, William Guy	.....A	..Pine Grove	.....Dallas
Pratt, Darwin Hypolets	.....S	..Springdale	.....Washington
Pryer, Rolla S.	.....S	..Mena	.....Polk
Pugh, James Lowe	.....A	..Hamburg	.....Ashley
Rader, Minnie Alice	.....A	..Fayetteville	.....Washington
Ragland, Fannie	.....S	..Fayetteville	.....Washington
Ray, Johnie	.....S	..Farmington	.....Washington
Ray, Charles	.....S	..Farmington	.....Washington
Reagan, James Lytton	.....A	..Fayetteville	.....Washington
Reed, Clifton	.....A	..Fayetteville	.....Washington
Robinson, Claud	.....A	..Wallaceburg	.....Hempstead
Roberts, J. T.	.....E	..Fayetteville	.....Washington
Robinson, Druce Tolbert	....S	..Stamps	.....Columbia
Romans, Sylvester Harry	....E	..Bentonville	.....Benton
Ross, J. E.	.....S	..Boonsboro	.....Washington
Sain, John Guthrie	.....A	..Nashville	.....Howard
Sanders, May	.....A	..Waldron	.....Scott
Sanders, Clare Ollie	.....A	..Fayetteville	.....Washington
Sanders, George	.....E	..Fayetteville	.....Washington
Savage, Chesterfield	.....S	..Hamburg	.....Ashley
Selbey, Edward Owin	.....A	..Lamar	.....Johnson
Shannon, Martha H.	.....S	..Fayetteville	.....Washington
Shofner, Pearl	.....S	..Shawnee	.....Oklahoma
Shuler, Joseph G.	.....S	..New Lewisville	.....Lafayette
Simmons, Susie Juanita	.....A	..Fayetteville	.....Washington
Smith, Milo Marcus	.....S	..Powhatan	.....Lawrence
Smith, L. Berry	.....S	..El Dorado	.....Union
Spencer, Aleck	.....A	..Temple	.....Texas
Spencer, Felix D.	.....S	..Fayetteville	.....Washington
Stacy, Miles	.....S	..Vandale	.....Cross
Stockton, Finis Ewing	.....A	..Cecil	.....Franklin
Stone, James Hicks	.....E	..Fayetteville	.....Washington
Summers, William Hamilton	..A	..Fayetteville	.....Washington
Swan, Jason	.....E	..Bodcaw	.....Nevada
Taber, Glenn	.....E	..Fayetteville	.....Washington
Tatum, Edmund Lee	.....S	..El Dorado	.....Union
Taylor, Alice	.....A	..Wallaceburg	.....Hempstead
Taylor, Amanda Eliza	.....A	..Wallaceburg	.....Hempstead
Terry, Edgar Bonner	.....E	..Howell	.....Woodruff

Thomas, Bessie Lula	.....A	..Fayetteville	.....Washington
Thomson, James O.	.....A	..Spring Creek	.....Lee
Tillman, John Walker	.....A	..Fayetteville	.....Washington
Trumbo, Estella May	.....A	..Fayetteville	.....Washington
Vanderpool, Dixon Orpheus	.A	..Cheatah	.....I. T.
Vaughan, Daisy Dean	.....A	..Fayetteville	.....Washington
Vaulx, Gordon Welch	.....E	..Fayetteville	.....Washington
Wagner, Oner Roe	.....E	..Mulberry	.....Crawford
Wagner, Wallace Francis	....S	..Mulberry	.....Crawford
Warrenburg, Wallace Burton	.E	..Wesley	.....Madison
Waters, Andrew Edward	....E	..Lockesburg	.....Sevier
Watkins, Florence Augusta	.A	..Fayetteville	.....Washington
Weaver, Roy	.....E	..Nashville	.....Howard
Wells, Frank Stuart	.....E	..Powhatan	.....Lawrence
Whitehead, Nellie	.....S	..Fayetteville	.....Washington
Whitlow, Charles Birnie	....A	..Fayetteville	.....Washington
Williams, Dora Emerton	....A	..Fayetteville	.....Washington
Williams, Roy Welch	.....S	..Fayetteville	.....Washington
Williams, Beula	.....A	..Fayetteville	.....Washington
Williams, Charles Edwin	....A	..Mena	.....Polk
Womack, Stella May	.....A	..Seba	.....Benton
Womack, Richard Ellwood	..A	..Seba	.....Benton
Womack, John Alexander	....A	..Seba	.....Benton
Wright, Wilfred Harvey	....E	..Buena Vista	.....Ouachita
Wright, Harry Jordan	.....S	..Junction City	.....Union

SUMMARY FOR SESSION 1899-1900.

BY CLASS.

Second Year	122
First Year	242
Total	364

BY COURSE.

Arts	170
Scientific	113
Engineers	69
Teachers	12
Total	364

GENERAL SUMMARY, 1899-1900.

Preparatory Students	364
Collegiate Students	291
Total at Fayetteville.....	655
Medical Students (Little Rock).....	123
Law Students (Little Rock).....	14
Branch Normal Students (Pine Bluff).....	232
Grand Total	1,024

Alumni Association.

The object of this association is to maintain the interest of the graduates in the institution and bring them into closer relation with the University. To this end all graduates are considered members. The association usually holds a meeting during commencement week.

LIST OF ALUMNI.

- Don C. B. Aiken, C. E., '89, Eng. Dep., Johnson Company, Johnstown, Pa.
Edna Allen, B. A., '96, Teacher, Muscogee, I. T.
L. S. Anderson, B. L. L., '84, clerk in Land Office, Washington, D. C.
J. D. Arbuckle, B. A., '92, Principal Public Schools, Paris, Ark.
C. F. Armistead, B. A., '93, Lieutenant in U. S. A.
L. R. Ash, B. C. E., '93, Professor Mathematics, Coe College, Cedar Rapids, Ia.
W. E. Ayers, B. C. E., '98, Resident Engineer St. Francis Levee Board, Osceola, Ark.
W. H. Askew, B. A., '97, Law student, University of Virginia.
Geo. H. Askew, B. A., '98, Merchant, Fayetteville, Ark.
Ida Barr, B. S., '96, Mrs. R. E. Bagby, St. Joseph, Mo.
C. P. Barnett, B. E. E., '96, Electrical Engineer, Fulton, Mo.
C. O. Bates, B. A., '83, Professor of Chemistry, Coe College, Cedar Rapids, Iowa.
J. H. Bates, B. A., '86, Lawyer, Corsicana, Tex.
Mary Beattie, B. A., '96, Teacher, Deaf Mute School, Little Rock, Ark.
M. L. Bell, B. A., '98, Teacher in High School, Pine Bluff, Ark.
J. C. Bell, B. A., '94, Physician, Memphis, Tenn.
Nettie Barnett, B. L., '76, Mrs. C. E. Boles, Fayetteville, Ark.
Blanche Bibb, B. A., '93, Mrs. G. A. Humphreys, New York.
J. W. Black, B. A., '92, Lawyer, McAlester, I. T.

- W. J. Blackwell, B. C. E., '92, Engineer, Golden Lake, Ark.
 Nora Blakely, B. A., '78, Mrs. H. M. Hudgins, Fayetteville, Ark.
 J. H. Blair, B. C. E., '99, Draftsman, Penn. Engineering Co., Pittsburg, Pa.
 W. P. Booth, B. A., '82, Farmer, Reyno, Ark.
 Alice Borden, '77.
 Laura D. Botefuhr,* '75, Mrs. G. W. Schulte.
 Preston Bowles, B. C. E., '88, Kansas City, Pittsburgh and Gulf Railway, Lake Charles, La.
 W. E. Boyd, B. A., '96, Lawyer, Cooper, Tex.
 Amanda Braly, B. S., '96, Washington, D. C.
 Etta Braly, B. S., '96, Mrs. Thos. McColloch, Boonsboro, Ark.
 E. H. Braly, B. A., '94.
 E. K. Braly, B. M. E., '97, Professor of Mechanics, Branch Normal College, Pine Bluff, Ark.
 O. P. Brewer, B. S., '93, Webber's Falls, I. T.
 A. M. Brixey, B. A., '96, Vinita, I. T.
 W. D. Brown, B. A., '82, Physician, Newtonia, Mo.
 H. M. Butler, B. A., '79, Teacher, Arkansas.
 J. L. Campbell, B. A., '97, Journalist, Greenwood, Ark.
 E. B. Carden,* B. L., '77.
 Ella Carnall,* A. M., '81.
 A. H. Carrigan, B. A., '82, Lawyer, Washington, Ark.
 Ann E. Carson, '75, Mrs. John Knight, Jonesboro, Ark.
 Augusta O. Carson, '75, Mrs. T. W. Cline, Downey, Cal.
 C. K. Chanslor, B. A., '82, Lawyer, Grant's Pass, Ore.
 W. R. Cherry, B. A., '82.
 Jessie Cravens, B. L. L., '83, Mrs. O. Cravens, Neosho, Mo.
 A. B. Crozier, B. E. E., '97, Electrical Engineer, Kansas City, Mo.
 Wm. N. Crozier, B. A., '88, Missionary to China.
 R. N. Cummings, B. A., '98, Medical student, St. Louis, Mo.
 Lula Curry, B. S., '92, Mrs. G. L. Teller, Chicago, Ill.
 Mike Danaher, B. A., '88, Lawyer, Little Rock, Ark.
 Hadge Davies, B. A., '93, Associate Professor of English and Modern Languages, University of Arkansas.
 Lila Davies, B. A., '96, Teacher, Texarkana, Ark.
 Lizzie P. Davis, '75, Mrs. R. C. Brown, Florence, Arizona.
 W. E. Dixon, B. A., '88, Teacher, Waldo, Ark.
 C. H. Drake, B. C. E., '91, and C. E., '94, Engineer, Helena, Ark.
 N. F. Drake, B. C. E., Professor of Geology and Mining, Imperial University, Tien-tsin, China.
 C. J. Drees, B. E. E., '96, Edison Electric Company, Little Rock, Ark.

* Deceased.

- G. W. Droke, A. M., '80, Professor of Mathematics, University of Arkansas.
- W. H. Duncan, B. L. L., '84, Lawyer, Conway, Ark.
- Mallie Dyer, B. A., '94, Professor of English and German, Florida State College, Tallahassee, Fla.
- Clara Earle, B. A., '96, Instructor in English and Modern Languages, University of Arkansas.
- W. L. Edmiston,* B. L. L., '84.
- Amanda A. Eld, B. A., '98, Teacher, Benton county, Ark.
- C. J. Eld, B. C. E., '96, Assistant City Engineer, St. Joseph, Mo.
- F. W. Ellis, B. A., '81, Lieut. U. S. Army, Fayetteville, Ark.
- W. W. England, B. A., '83.
- C. R. Fillmore, B. S., '99, Teacher, Ada, I. T.
- L. F. Fishback, B. S., '89, Lawyer, Wichita Falls, Texas.
- J. C. Floyd, B. A., '79, Lawyer, Yellville, Ark.
- W. M. Flynn, B. A., '88, Teacher, Kennedale, Texas.
- J. R. Gannaway, B. A., '90, Lawyer, Member Legislature.
- D. A. Gates, B. A., '84, County Judge, Desha County, Arkansas City, Ark.
- J. E. Gibson, B. M. E., '94, Civil Engineer, Philadelphia, Pa.
- W. P. Goodwin, B. L. L., '84, Lawyer, Warren, Ark.
- Belle L. Corton, B. A., '76, Author, Chicago, Ill.
- C. D. Greaves, B. A., '83, Lawyer, Hot Springs, Ark.
- Alfred W. Gregg,* B. A., '76.
- Andrew S. Gregg, B. A., '78, Physician, Fayetteville, Ark.
- L. W. Gregg, B. A., '82, Lawyer, Fayetteville, Ark.
- C. E. Hall, B. C. E., '93, Civil Engineer, Russellville, Ark.
- H. J. Hall, B. A., '94, State Senator, Waldron, Ark.
- W. J. Hamilton, B. A., '92, Principal of Public Schools, Huntington, Ark.
- Agnes Harris, B. A., '76, Mrs. Johnson, Kansas City, Mo.
- Sara E. Harris, B. A., '76, Mrs. C. P. Conrad, Osceola, Mo.
- Grace Harrison,* B. S., '89, Mrs. T. L. Brown.
- J. H. Harrod, B. A., '79, Lawyer, Little Rock, Ark.
- J. C. Hart, B. A., '85, Lawyer, Dardanelle, Ark.
- J. T. Hawkins, '79, Physician, Mount Holly, Ark.
- J. D. Head, B. A., '94, Lawyer, member of Arkansas Legislature, Columbia, Ark.
- I. G. Hedrick, B. C. E., '92, Firm of Waddell & Hedrick, Consulting Engineers, Kansas City, Mo.
- W. Rhodes Hervey, B. S., '90, Lawyer, Santa Anna, Cal.
- E. W. Hillis, B. L. L., '84, Lawyer, Jonesboro, Ark.
- J. H. Hobbs,* B. A., '88.
- Daniel Hon, B. A., '82, Lawyer, Waldron, Ark.
- Cener Holcomb, B. A., '92, Instructor in University of Arkansas, Fayetteville, Ark.

* Deceased.

- Jobelle Holcomb, B. A., '98, Teacher, Fayetteville, Ark.
 S. A. Horton, B. A., '91, Lawyer, Fairview, Ark.
 J. W. Howell, B. L. L., '85, Cotton Buyer, Clarksville, Ark.
 Willey Howell, B. S., '97, First Lieut. 4th Infantry, U. S. A.
 J. H. Hudson, B. L. L., '84, Farmer, Dardanelle, Ark.
 R. W. Huie, Jr., B. A., '99, Commandant of Cadets, Ouachita Baptist College, Arkadelphia, Ark.
 G. A. Humphreys, B. A., '90, Physician, New York City.
 Edgar Jennings, B. A., '77.
 Gustave Jones, B. L. L., '82, Lawyer, Newport, Ark.
 Albert P. Johnson, B. A., '76, Lawyer, Winfield, Kan.
 T. M. Johnson,* B. L. L., '80.
 G. H. Kimball, B. C. E., '92, Dardanelle, Ark.
 Artelle Alice King, B. L. L., '80, Mrs. J. C. Belt, Brooken, I. T.
 E. B. Kinsworthy, B. L. L., '85, ex-Attorney General of the State of Arkansas, Lawyer, Little Rock, Ark.
 F. B. Kirby, B. A., '99, Harrison, Ark.
 T. B. Kitchens, A. M., '80, Merchant, Paragould, Ark.
 Ella Lake, B. L. L., '84, Mrs. S. W. Barnett, Fayetteville, Ark.
 W. H. Langford, B. A., '86, Banker, Pine Bluff, Ark.
 J. A. M. Lanier, B. A., '82.
 Abbie Leverett, B. A., '94, Mrs. John H. Taff, Shafter, Tex.
 Mary Leverett, B. A., '86, Mrs. J. A. Taff, Washington, D. C.
 Rose C. Leverett, B. A., '97, Firm of Leverett & Leverett, Real Estate Agents, Fayetteville, Ark.
 D. B. Lipsey, B. S., '96, Bookkeeper, Conner & Co., Fayetteville, Ark.
 W. Ross McCain, M. A., '98, student in Germany.
 Eva McCart, '75, Mrs. D. M. Main, Cheney, Kan.
 J. B. McDonough, B. A., '82, Read & McDonough, Attorneys, Fort Smith, Ark.; Member of the Board of Trustees University of Arkansas.
 W. R. MacFarlane, B. A., '82, Lawyer, Greenwood, Ark.
 Charles F. McKinney, '75, Traveling Salesman, Ozark, Ark.
 John C. McNeeley, B. C. E., '89, Planter, Rackensack, Ark.
 S. E. Marrs, B. A., '79, Editor of the Democrat, Fayetteville, Ark.
 J. C. Marshall, M. A., '79, Lawyer, Little Rock, Ark.
 Mack Martin, B. M. E., '91, Assistant Superintendent of Mechanic Arts, University of Arkansas.
 Pearl Martin, B. S., '93, Teacher at Fayetteville, Ark.
 Collin Massie, B. A., '77, Teacher at Fayetteville, Ark.
 J. E. Martineau, B. A., '96, Law student, Little Rock, Ark.
 J. F. Mayes, B. A., '83, Lumber Dealer, Fayetteville, Ark.

* Deceased.

- Dane A. McNeill, M. E., '97, Superintendent of Factory, Salem, Ohio.
- W. M. Mellette, B. L., '77, Mellette & Smith, Attorneys, Vinita, I. T.
- Mai Middleton, B. A., '86, Mrs. R. Chasteen, Fort Smith, Ark.
- H. P. Moberly, B. C. E., '94, R. R. Civil Engineer, Longview, Texas.
- Lucy B. Mock, B. A., '94, Professor in Gessamine College, Nicholasville, Ky.
- E. L. Mock, B. A., '94, Prairie Grove, Ark.
- J. F. Moore, B. S., '93, Assistant Chemist, Agricultural Experiment Station, Fayetteville, Ark.
- J. H. Moore, B. S., '93, Chemist, Solvay Process Company, Syracuse, N. Y.
- J. I. Moore, B. A., '81, Lawyer, Phillips County, Helena, Ark.
- J. L. Moore, B. M. E., '97, Draftsman, Holly Mfg. Co., Lockport, N. Y.
- Lucy J. Moore, '75, Mrs. Ross, Cincinnati, Ark.
- D. C. Morrow, B. E. E., '97, Engineer, Eureka Springs, Ark.
- Mattie W. Morrow, B. S., '90, Teacher in Public School, Fayetteville, Ark.
- Sara Mulholland, B. A., '86, Mrs. J. F. Mayes, Fayetteville, Ark.
- A. J. Myar, B. C. E., '96, Engineer with St. Louis Bridge and Iron Co., St. Louis, Mo.
- W. H. Neal, B. L., '76, Lawyer, Van Buren, Ark.
- A. J. Newman, B. A., '91, Lawyer, Little Rock, Ark.
- George Nicholls, B. A., '98, Journalist, Helena, Ark.
- E. P. Notrebe, '85, Physician, Kansas City, Mo.
- T. F. Oats, B. A., '82, Physician, Mexia, Tex.
- Ora Obenshain, B. S., '89, Teacher in Public Schools, Eureka Springs, Ark.
- Ida Pace, B. A., '88, Mrs. A. H. Purdue, Fayetteville, Ark.
- Daisy B. Patterson, B. A., '99, Teacher, Fayetteville, Ark.
- C. C. Patton, B. A., '91, Lawyer, Hillsboro, Ohio.
- L. Alice Patton, A. M., '79, Teacher, Prairie Grove, Ark.
- Mattie J. Patton, B. L. L., '80, Mrs. Dr. Chas. Jenkins, Denver, Ill.
- Thos. A. Pettigrew, A. M., '78, Lawyer, Charleston, Ark.
- Harry Pharr, B. C. E., '93, Chief Engineer St. Francis Levee Board, Southern Express Building, Memphis, Tenn.
- J. S. Pharr, B. A., '92, Assistant Engineer St. Francis Levee Board, Southern Express Building, Memphis, Tenn.
- J. W. Pickel, B. A., '82, Physician for Crystal Plate Glass Company, Crystal City, Mo.

- R. T. Pittman, B. S., '94, Chemist, Sloss Iron and Steel Company, Birmingham, Ala.
- Alice Polson, B. S., '88, Mrs. W. C. Hutchinson, 1409 Pendleton avenue, St. Louis, Mo.
- W. W. Powell, B. A., '88, Lawyer, Batesville, Ark.
- C. G. Price, B. A., '98, Bookkeeper for Yowell & Williams, Little Rock, Ark.
- W. E. Pruett, B. C. E., '97, Draftsman, Waddell & Hedrick, Kansas City, Mo.
- Anna Putman, M. A., '75, Teacher in Public Schools, Fayetteville, Ark.
- J. L. Redus, B. A., '96, Lead Hill, Boone County, Ark.
- G. W. M. Reed, Jr., B. L. L., '84, Lawyer, Los Angeles, Cal.
- Lina Reed, B. A., '81, Instructor University of Arkansas, Fayetteville, Ark.
- Maggie Reed,* B. A., '78.
- O. S. Rieff, B. A., '81, Lawyer, Deputy State Auditor, Little Rock, Ark.
- P. A. Rogers, B. A., '92, Farmer, Gravett, Ark.
- W. A. Ross, B. A., '98, Assistant at Drew County Normal, Wilmar, Ark.
- Z. C. Ross,* B. A., '80.
- Lawrence Russell, B. A., '80, Lawyer, Russellville, Ark.
- C. F. Sanders, B. A., '99, Principal Whittington School, Hot Springs, Ark.
- G. C. Schoff, B. C. E., '88, Civil Engineer, Babcock-Wilcox Boiler Company, Philadelphia, Pa.
- G. C. Shell, B. L. L., '82, Lawyer, Lake Village, Ark.
- A. W. Shreve, B. C. E., '91, County Surveyor Washington County, Farmington, Ark.
- H. B. Shreve, B. C. E., '91, New Mexico.
- W. D. Simms,* B. L., '77.
- Alice Simonds, B. S., '96, Mrs. A. V. Smith, Springdale, Ark.
- J. E. Skelton, B. S., '97, Chemist, Sloss Iron and Steel Co., Birmingham, Ala.
- G. V. Skelton, B. C. E., '91, Professor of Mathematics, Agricultural College, Corvallis, Ore.
- Ida Slagle, B. A., '89, Mrs. Gilbreath, Siloam Springs, Ark.
- A. V. Smith, B. A., '98, Principal of Public School, Springdale, Ark., and Editor of the Springdale Democrat.
- E. L. Spencer, B. A., '98, Principal of Public School, Waldron, Ark.
- Henry Stroup, B. A., '83, Lawyer, Paris, Ark.
- Wm. S. Sutton, A. M., '78, Professor of Pedagogy, University of Texas.
- Albert Taff,* B. C. E., '90.
- J. L. Taff, B. A., '84, Principal Public School, Austin, Tex.

* Deceased.

- Mary Taff, B. A., '89, Mrs. G. V. Skelton, Corvallis, Ore.
 Lou Taliaferro, B. L. L., Stenographer, Kansas City, Mo.
 E. L. Taylor, B. L., '76, Lawyer, Bentonville, Ark.
 C. V. Teague, B. A. '79, Prosecuting Attorney, Hot Springs, Ark.
 B. J. Tillar, B. A., '86, Capitalist, Fort Worth, Tex.
 J. N. Tillman, B. L. L., '80, ex-District Prosecuting Attorney, Lawyer, Fayetteville, Ark.
 Lee Treadwell, C. E., '88, Engineer with John Pierce, Contractor, U. S. Navy Yard, Portsmouth, N. H.
 S. C. Treadwell, B. A., '94, Lawyer, Tishomningo, I. T.
 A. M. Vance, B. C. E., '93, Pierce City, Mo.
 James Vandeventer, B. S., '93, Bookkeeper, Fayetteville, Ark.
 George Vaughan, B. A., '96, Lawyer, Lockesburg, Ark.
 Julia Vaultx, B. A., '92, student, Cornell University.
 S. F. Vaultx, B. A., '92, Memphis, Tenn.
 Katherine D. Vaultx, B. A., '97, Teacher, Benton, Ark.
 Annie Waggener, B. L., '77, Mrs. Marcus, Cincinnati, Ark.
 W. J. Waggener, A. M., '76, Professor of Natural Philosophy, University of Colorado, Boulder, Col.
 J. V. Walker, B. A., '77, Lawyer, Fayetteville, Ark.
 C. A. Watson, B. A., '77, Teacher, Fayetteville, Ark.
 J. J. Watson, B. A., '81, Teacher, California.
 G. A. Warren, B. L., '88, Physician, Imboden, Ark.
 J. N. Wheeler, B. A., '90, Capitalist, Warren, Ark.
 C. N. Weems, B. A., '99, Teacher, Ozark, Ark.
 Hattie E. Williams, B. A., '98, Teacher, Van Buren, Ark.
 Naomi J. Williams, A. M., '80, Instructor in University of Arkansas.
 Winona May Wiley, B. A., '99, Teacher, Fulton, Mo.
 Jennie Williams, B. A., '96, Teacher, Texarkana, Ark.
 R. H. Willis,* B. A., '88, Ph. D., '96.
 A. C. Wood, B. M. E., '92, Engineer, Philadelphia, Pa.
 B. F. Wood, B. E. E., '93, Electrical Engineer, Altoona, Pa.
 C. D. Wood, B. A., '79, Associate Justice Supreme Court of Arkansas.
 Guy B. Wood, B. A., '99, K. C., P. & G. R. R. Office, Texarkana, Ark.
 W. H. Woodall, B. A., '85, Principal of Female College, Lake City, Fla.
 C. D. Woolverton, B. L. L., '85, Principal of School, Sheridan, Ark.

* Deceased.

NOTE.—The President will be pleased to receive information as to the address and occupation of those members of the Alumni for whom these data are wanting. The Alumni are especially requested to give notice of any omission or errors in the foregoing list, or any changes made during the ensuing year.

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